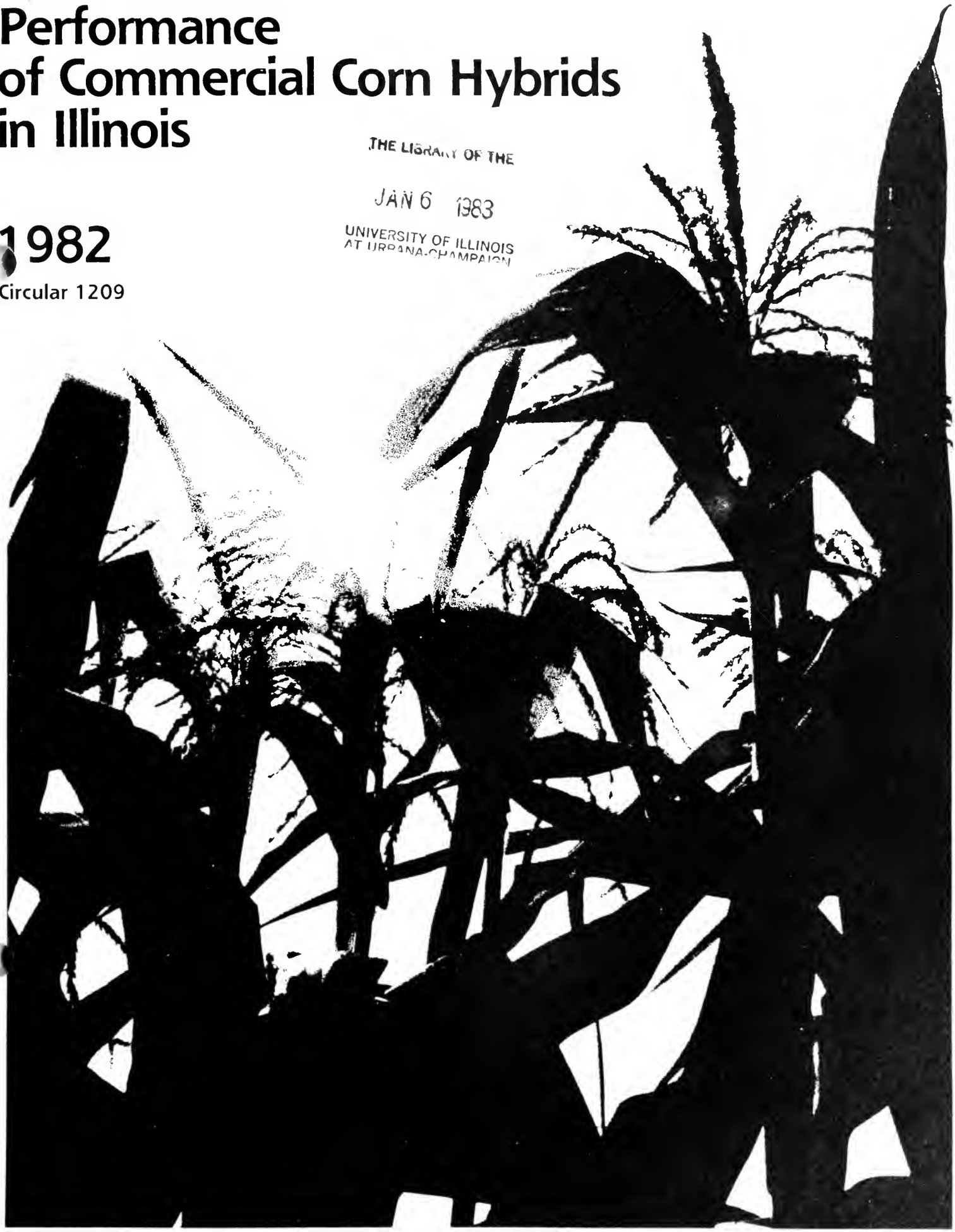
Performance of Commercial Corn Hybrids in Illinois

1982

Circular 1209



University of Illinois at Urbana-Champaign College of Agriculture Cooperative Extension Service

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Urbana, Illinois December, 1982

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PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1982

(With 1980 and 1981 Listings)

Test Program

Selection of entries. Each year, producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of $35 for each hybrid entered at a location ($50 for irrigated trials). Most of these hybrids are commercially available, although a few experimental hybrids are also entered. In 1982, a survey of popular hybrids was conducted among county Extension advisers, and the ten most popular hybrids at each test location were added to the trials. These hybrids are marked by an asterisk (*) in the tables.

Number and location of tests. In 1982, 17 major tests were conducted at 10 locations in the state (see the map on page 5). These sites represent major soil and climatic areas of the state.

Hybrids. There were 701 hybrids from 79 companies tested in 1982.

Field-plot design. Three replications of randomized complete block or lattice design were used to give each entry an equal chance to show its merits.

Planting methods. All trials were planted by machine. All test fields except those at DeKalb, Elwood, Monmouth, Perry, Kilbourne, and Urbana were part of larger cornfields and thus were bordered by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was four rows wide and 25 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or side-dressed as needed to ensure top yields.

Method of harvest. All plots were harvested with a custom-built, self-propelled, corn plot combine. Shelled corn from each plot was collected, weighed, and tested for moisture content. No allowance was made for corn that might have been lost in harvest.

Performance Data

Grain yield. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture). An electronic moisture monitor was used in the combine for all moisture readings.

Moisture content. Occasionally, hybrids too late in maturity for a given area are entered in these tests. These hybrids are often high in yield, but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Erect plants. The number of erect plants in each plot of a hybrid was determined at harvesttime. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Population. In late June, plants in all plots on all fields were counted and populations computed. Plots with over 100 percent of the desired population were thinned at that time. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or animal pests.

Suggestions for Comparing Hybrids

It is impossible to measure performance exactly in any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions may produce variability. Results of repeated tests, like those reported here, are more reliable than those of a single-year or a single-strip test. In general, a yield difference of a few bushels per acre is not significant in these tests, but when one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is real and should be a consideration in choosing a hybrid. When comparing yields, however, grain moisture content, percentage of erect plants, and plant population must also be considered.

A number of statistical tests are available for comparing hybrids within a single trial. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson,[1] is quite simple to apply and is more appropriate than most other tests. When two hybrids are compared and the difference between them is greater than the tabulated L.S.D. value, the hybrids are judged "significantly different."

When the observed mean of hybrid A is larger than that of hybrid B and the difference between them is found to be significant, one of three possibilities has occurred: (1) the mean of hybrid A really is larger than that of hybrid B, and a correct decision has been made; (2) the means of hybrids A and B are really equal, and a Type I statistical error has been made (that is, the means were declared to be unequal when they were actually equal); or (3) the mean of hybrid B is really larger than that of hybrid A, and a reverse decision or Type III statistical error has been made (that is, the mean of A was declared to be greater than that of B, when the reverse is true).

[1] Carmer, S. G. and M. R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." *Journal of American Statistical Association* 68:66-74. 1973.

When no significant difference is found between two hybrids, one of two possibilities has occurred: (1) the means are really equal, and a correct decision has been made; or (2) the means are really different, and a Type II statistical error has been made (that is, the means were declared to be equal when they really are different). In a study of the frequencies of occurrence of these three types of statistical errors and their relative seriousness, Carmer[2] found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40, where α is the Type I statistical error rate for comparisons between means that are really equal. Herein, values of $\alpha = 0.10$ and 0.30 are used in computing the L.S.D. 10 and 30 percent levels shown in the tables. L.S.D. 10 and L.S.D. 30 are not calculated when the overall F test of differences among entries is not significant at the 5 percent level.

To make the best use of the information presented in this circular and to avoid any misunderstanding or misrepresentation of it, the reader should consider an additional caution about comparing hybrids. Readers who compare hybrids in different trials should be extremely careful, since no statistical tests are presented for that purpose. Readers should note that the difference between a single hybrid's performance at one location and its performance at another is caused primarily by environmental effects and random variability. Furthermore, the difference between the performance of hybrid A in one trial and that of hybrid B in another is the result not only of environmental effects and random variability, but of genetic effects as well.

[2] Carmer, S. G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." *Crop Science* 16:95-99. 1976.

1982 Growing Conditions

Ideal weather conditions facilitated timely planting in April and May. Adequate soil moisture contributed to effective herbicide control of early weeds, and cultivation prevented the establishment of late weeds. Adequate rainfall in June and July increased the potential for an excellent crop. Excessive rainfall caused some problems in western Illinois, and some early lodging was noted at the Monmouth location. Variable rainfall in August left some areas short of moisture and reduced yields in the eastern Illinois locations. September was dry and warm, and most hybrids matured and dried to an acceptable moisture level earlier than usual. Harvest was not delayed by rainfall until the last week of October, and then only for a few days. All plots were harvested before severe lodging became a problem.

1982 Test Fields

Woodstock

Location: Northeastern Illinois (cool, humid).
Soil type: Proctor silt loam (fertile, deep, well-drained, dark prairie).
Planting date: May 3.
Cooperators: Hughes Farms and Seed Company; Robert Hughes and Earl Hughes, Jr.

DeKalb

Location: University of Illinois Northern Illinois Research Center, southwest of DeKalb.
Soil type: Flanagan silt loam (dark brown, adequately drained, highly fertile).
Planting date: May 4.
Cooperators: R. R. Bell, field manager; D. L. Mulvaney, research director.

Elwood

Location: Northeastern Illinois Agronomy Center, Will County.
Soil type: Elliott silt loam.
Planting date: May 10.
Cooperators: Dale Harshbarger, field manager; D. L. Mulvaney, research director.

Monmouth

Location: University of Illinois Northwestern Illinois Agricultural Research and Demonstration Center.
Soil type: Muscatine silt loam.
Planting date: May 4.
Cooperators: Mike Mainz, area agronomist and field superintendent; Jay Sutor, farm foreman.

Kilbourne (Irrigated)

Location: University of Illinois Illinois River Valley Sand Field, 10 miles west of Kilbourne, Mason County, central Illinois.
Soil type: Plainfield sand.
Planting date: April 28.
Cooperators: H. Hopen, research director; LaVern Hahn, fieldman.
Irrigation: Applied as supplement to rainfall when needed to maintain a total water supply of 1 inch every 4 days. Also supplied 63 pounds of nitrogen preplant, and 278 pounds of nitrogen in 4 applications throughout the growing season.

Urbana

Location: University of Illinois South Farm, Champaign County, east central Illinois.
Soil type: Flanagan silt loam (dark brown, adequately drained).
Planting date: April 23.
Cooperator: M. G. Oldham, farm manager.

Growing Season Rainfall

Location	April	May	June	July	August
Woodstock	3.13	4.15	5.06	8.55	2.79
DeKalb	3.00	3.97	4.32	6.48	1.52
Elwood	3.03	2.34	2.70	6.56	2.51
Monmouth	3.82	5.48	2.96	14.57	7.53
Kilbourne	3.80	1.60	4.54	4.10	2.60
(By irrigation)	...	...	(3.00)	(5.00)	(4.00)
Urbana	2.51	4.54	5.02	4.43	2.54
Perry	5.24	2.57	10.21	2.34	5.76
Brownstown	2.59	4.02	4.45	4.85	3.06
Carbondale	2.46	5.91	3.30	2.93	2.63
Dixon Springs	3.04	5.85	3.96	1.71	4.37

Perry

Location: Orr Research Center, near Perry, Pike County, south central Illinois.
Soil type: Herrick silt loam (moderately poorly drained).
Planting date: May 5.
Cooperators: Glenn Raines, research director; Tom Halloch, field superintendent.

Brownstown

Location: University of Illinois Brownstown Experimental Field, Fayette County, south central Illinois.
Soil type: Cisne silt loam (poorly drained, gray prairie with a well-developed claypan).
Planting date: April 30.
Cooperator: Frank Zajicek, research director.

Carbondale Upland

Location: Southern Illinois University Agronomy Research Center, extreme southern Illinois.
Soil type: Weir silt loam (shallow, silty loam over claypan).
Planting date: April 29.
Cooperators: Jim Hubbard, field manager; George Kapusta, agronomist.

Dixon Springs Bottomland

Location: University of Illinois Dixon Springs Agricultural Center, Pope County, extreme southern Illinois.
Soil type: Sharon silt loam (light-colored, moderately well drained, medium-textured bottomland).
Planting date: April 30.
Cooperator: George McKibben, professor of agronomy.

SUMMARY OF ILLINOIS HYBRID CORN TESTS, 1982

Field, county, location, and number of entries	Date planted	Date harvested	Average yield (bu/A)	Grain moisture (%)	Erect plants (%)	Average population (plants/A)
30-inch rows, 18,000 plants per acre						
Brownstown: Fayette, S, 38	April 30	Oct. 4-5	146	21.8	98	17,458
Carbondale: Jackson, Ex. S, 25	April 29	Sept. 29	64	19.3	92	17,805
30-inch rows, 20,000 plants per acre						
DeKalb: DeKalb, N, 30	May 4	Oct. 21-22	141	20.3	88	19,671
Monmouth: Warren, WNC, 42	May 4	Oct. 11-12	129	20.0	94	19,800
Urbana: Champaign, EC, 42	April 23	Oct. 6-10	160	24.5	99	19,433
Perry: Pike, WSC, 36	May 5	Oct. 14-15	147	19.2	88	19,625
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 143	April 30	Oct. 4-5	157	21.2	98	20,931
Carbondale: Jackson, Ex. S, 90	April 29	Sept. 29	101	19.5	95	21,526
Dixon Springs: Pope, Ex. S, 60	April 30	Sept. 27-28	151	20.4	99	21,744
30-inch rows, 24,000 plants per acre						
Woodstock: McHenry, Ex. N, 110	May 3	Oct. 18	141	21.7	97	23,295
DeKalb: DeKalb, N, 182	May 4	Oct. 21-22	145	19.8	85	23,158
Elwood: Will, ENC, 163	May 10	Oct. 25	142	20.8	93	23,768
Monmouth: Warren, WNC, 200	May 4	Oct. 11-12	141	19.5	94	23,371
Urbana: Champaign, EC, 274	April 23	Oct. 6-10	167	21.6	99	22,833
Perry: Pike, WSC, 121	May 5	Oct. 14-15	150	19.2	92	22,909
30-inch rows, 28,000 plants per acre						
Kilbourne: Mason, C, 110	April 29	Sept. 30	132	21.4	61	27,218
Dixon Springs: Pope, Ex. S, 92	April 30	Sept. 27-28	166	20.5	99	27,082

Sources of Seed

Adler's Hybrids, Adler's Seeds, Inc., R.R. 1, P.O. Box 296, Sharpsville, IN 46068
Ag-ONE SEEDS Hybrids, Ag-ONE SEEDS, 1221 E. Phoenix St., P.O. Box 569, Delavan, WI 53115
Agri-Gold Hybrids, Akin Seed Co., R.R. 1, St. Francisville, IL 62460
Ainsworth Hybrids, Ainsworth Seed Co., R.R. 1, P.O. Box 153, Mason City, IL 62664
Americana Hybrids, Americana Seeds, Inc., Box 275, Bowen, IL 62316
Asgrow Hybrids, Asgrow Seed Co., 7000 Portage Road, Kalamazoo, MI 49001
Beck's Hybrids, Beck's Superior Hybrids, Rt. 2, Box 142, Atlanta, IN 46031
Bo-Jac Hybrids, Bo-Jac Hybrid Corn Co., R.R. 2, Mount Pulaski, IL 62548
Burrus Hybrids, Burrus Bros. & Associated Growers, Arenzville, IL 62611
CFS Hybrids, Custom Farm Seed, P.O. Box 160, Momence, IL 60954
Callahan Hybrids, Callahan Enterprises, Inc., 1122 E. 169th St., Westfield, IN 46074
Campbell Hybrids, Campbell Seeds, R.R. 3, Tipton, IN 46072
Cargill Hybrids, Cargill Seeds, P.O. Box 5645, Minneapolis, MN 55440
Coker Hybrids, Coker's Pedigreed Seed Co., P.O. Box 340, Hartsville, SC 29550
Cornelius Hybrids, Cornelius Seed Corn Co., R.R. 1, Bellevue, IA 52031
Crow Hybrids, Crow's Hybrid Corn Co., Box 306, Milford, IL 60953
Dairyland Seed Hybrids, Dairyland Seed Co., Inc., P.O. Box 958, West Bend, WI 53095
DeKalb Hybrids, DeKalb-Pfizer Genetics, Sycamore Road, DeKalb, IL 60115
Dennis Hybrids, Dennis Hybrid Corp., Box 487, Windfall, IN 46076
Dockendorff Hybrids, Dockendorff Hybrids, Inc., R.R. 2, U.S. Highway 34 West, Danville, IA 52623
Duesterhaus Hybrids, Duesterhaus Fertilizer, Inc., Box 248, Quincy, IL 62301
EK Premium Hybrids, EK Premium Seed Corn, R.R. 1, Berwick, IL 61417
F.S. Hybrids, Growmark, Inc., 1701 Towanda Ave., Bloomington, IL 61701
Federal Hybrids, Federal Hybrids, Rt. 2, Marion, IA 52302
Fuller Hybrids, Fuller Seed Co., Inc., Box 38, Lincoln, IL 62656
Funk's Hybrids, Funk Seeds International, P.O. Box 2911, Bloomington, IL 61701
Golden Acres Hybrids, Taylor Evans Seed Co., Box 68, Tulia, TX 79088
Golden Harvest Hybrids, Columbiana Seed Co., Eldred, IL 62027
Golden Harvest Hybrids, Thorp Seed Co., Rt. 3, Clinton, IL 61727
Gold Tag Hybrids, Ferry-Morse Seed Co., Box 24, Geneseo, IL 61254
Great Lakes Hybrids, Great Lakes Hybrids, Inc., Box 637, Ovid, MI 48866
Griffith Pure Line Hybrids, Griffith Seed Co., McNab, IL 61335
Gutwein Hybrids, Fred Gutwein & Sons, Inc., R.R. 1, Box 40, Francesville, IN 47946
Henkel Hybrids, Henkel Grain Co., Inc., R.R. 1, Mendota, IL 61342
Hoblit Hybrids, Hoblit Seed Co., R.R. 2, Atlanta, IL 61723
Hughes Hybrids, Hughes Hybrids, Inc., 206 N. Hughes Road, Woodstock, IL 60098
Illinois Experimental Hybrids, University of Illinois Agricultural Experiment Station, U. of I. Department of Agronomy, Urbana, IL 61801
Kaltenberg Hybrids, Kaltenberg Seed Farms, 5506 Highway 19, Rt. 2, Waunakee, WI 53597
Kitchen Hybrids, Kitchen Seed Company, Inc., North Vine, Box 286, Arthur, IL 61911
Kruger Hybrids, Kruger Seed Co., P.O. Box 807, Cedar Falls, IA 50613
Landers Hybrids, Landers Seed Co., P.O. Box 120, Sullivan, IL 61951
Leader Hybrids, Leader Seeds, Inc., 7160 S.R. 118, Celina, OH 45822
Lewis Hybrids, Lewis Hybrids, Inc., Box 38, Ursa, IL 62376
Lowe Hybrids, Lowe Seed Co., P.O. Box 1685, Kankakee, IL 60901
Lynks Hybrids, Lynks Seeds, P.O. Box 637, Marshalltown, IA 50158
McAllister Hybrids, McAllister Seed Co., Inc., P.O. Box 28, Mt. Pleasant, IA 52641
McCurdy Hybrids, McCurdy Seed Co., P.O. Box 66, Fremont, IA 52561
Migro Hybrids, Migro, 5201 Johnson Dr., P.O. Box 2955, Mission, KS 66201
Moews Hybrids, Moews Seed Co., P.O. Box 277, Granville, IL 61326
Noble Brothers Hybrids, Noble Brothers, Inc., 523 S. Sangamon, Gibson City, IL 60936
Northrup-King Hybrids, Northrup-King Co., 1452 29th St., Suite 214, West Des Moines, IA 50265
O's Gold Hybrids, O's Gold Seed Co., P.O. Box 460, Parkersburg, IA 50665
P.A.G. Hybrids, P.A.G. Seeds/Cargill, Inc., P.O. Box 470, Aurora, IL 60507
Paymaster Hybrids, Paymaster Seeds, Box 467, Monticello, IL 61856
Pfister Hybrids, Pfister Hybrid Corn Co., El Paso, IL 61738
Pioneer Hybrids, Pioneer Hi-Bred International, Inc., Princeton, IL 61356
Pocklington Hybrids, Pocklington Seed Co., R.R. 2, Girard, IL 62640
Prairie Stream Hybrids, Prairie Stream Farms, Inc., R.R. 3, Frankfort, IN 46041
Premier Hybrids, Premier Hybrids, R.R. 15, Box 223X, Indianapolis, IN 46259
Pride Hybrids, Pride Co., Inc., P.O. Box 8, Glen Haven, WI 53810
Princeton Hybrids, Princeton Farms, Box 319, Princeton, IN 47670
Renk Hybrids, Renk Seed Co., Inc., R.R. 2, Sun Prairie, WI 53590
Ring Around Hybrids, Ring Around Products, Inc., 12000 Ford Rd., Suite 300, Dallas, TX 75234
Shissler GR-8 Hybrids, Shissler Seed Co., R.R. 3, Elmwood, IL 61526
Sieben Hybrids, Sieben Hybrids, Inc., Highway 82N, Geneseo, IL 61254
Sohigro Hybrids, Vistron Corp., P.O. Box 628, Lima, OH 45802
Stauffer Hybrids, Stauffer Seeds, A Subsidiary of Stauffer Chemical Co., 975 S. Durkin Dr., Springfield, IL 62704
Stewart Hybrids, Stewart Hybrids, Inc., Rt. 1, Princeville, IL 61559
Stewart Hybrids, Stewart Seeds, Inc., Rt. 8, Box 227, Greensburg, IN 47240
Stone Hybrids, Stone Seed Farms, Inc., Rt. 2, Pleasant Plains, IL 62677
Sturdy Grow Hybrids, Sturdy Grow Hybrids, Inc., P.O. Box 94, Arcola, IL 61910
Sun Prairie Hybrids, Champaign County Seed Co., Inc., Rt. 2, St. Joseph, IL 61873
Super-Crost Hybrids, Edward J. Funk & Sons, Inc., P.O. Box 67, Kentland, IN 47951
Thor-O-Bred Hybrids, Thor-O-Bred Seed Co., P.O. Box 1437, Champaign, IL 61820
Trisler Hybrids, Trisler Seed Farms, Inc., R.R. 1, Box 153, Fairmont, IL 61841
Trojan Hybrids, DeKalb-Pfizer Genetics, P.O. Box 33, Mason City, IL 62664
U.S.S. Hybrids, U.S.S. Agri-Chemicals, P.O. Box 1685, Atlanta, GA 30303
Voris Hybrids, Voris Seed, Inc., P.O. Box 457, Windfall, IN 46076
Weather Master Hybrids, Weather Master Seeds, Inc., Box J, Dassel, MN 55325
Whisnand Hybrids, Whisnand Hybrids, R.R. 1, Arcola, IL 61910
Wyffels Hybrids, Wyffels Hybrids, Inc., P.O. Box 246, Atkinson, IL 61235
Zimmerman Hybrids, Zimmerman Hybrids, Inc., 5147 W. Franklin Rd., Evansville, IN 47712

Corn Hybrid Trial Results

WOODSTOCK (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX511	134	18.6	88	23505	147	20.9	83	23866	105	18.6	77	23885
RX610	149	21.2	94	21976								
RX622	131	22.6	93	21542								
CARGILL												
861	138	18.6	96	23477								
862	118	20.7	99	23938	137	20.8	96	23733				
872	144	22.3	95	23837	149	23.3	96	23866	124	20.9	91	23771
*921	150	22.7	96	23057	167	26.0	85	23733	122	24.5	90	24000
CORNELIUS												
C44SX	145	22.4	98	23984	158	22.8	99	23866				
CROW												
199	136	19.1	99	23799								
555	149	22.5	96	22816								
DAIRYLAND												
DX1006	143	20.5	99	23649								
*DX1007	134	21.4	97	22938	168	22.7	95	23333	136	21.6	98	21257
DX1008	158	22.9	99	24000	157	23.2	96	24000	107	20.8	95	22742
DX1012	154	24.4	99	23989	152	25.6	99	22133				
DX1105	136	20.1	97	22988								
DX1110	133	21.6	98	23883								
DEKALB												
EX-2120	131	21.2	95	22917								
EX-2324	141	19.1	97	23861								
EX-2929	147	21.9	82	23149								
EX-4040	137	24.2	97	23442								
XL 28	139	21.2	94	23636	160	23.0	97	24000				
XL 32A	145	19.4	92	23888	171	22.5	92	23733	128	20.0	97	23885
XL 36	148	20.8	97	23500	158	23.1	97	23733				
*XL 55A	138	23.0	99	23901	152	24.1	98	23733	116	23.1	94	23085
EK PREMIUM												
EK7700	132	21.6	96	23317	152	22.9	95	23733	116	22.9	78	23085
EK7720	131	21.5	97	23829	154	23.0	94	24000	114	21.3	98	21714
EK7770	138	23.7	100	24000	166	25.0	94	23466	119	21.4	95	23771
EK7780	157	25.9	96	23632	172	25.3	99	23466				
EK8810	150	26.7	97	22338								
FUNK'S												
G-4315	112	19.7	96	22681	146	21.7	95	24000	110	20.3	91	22628
G-4342	140	22.2	97	24000								
G-4435	154	25.1	97	23710	158	26.1	94	23733				
G-4438	136	23.1	95	22844								
GOLD TAG												
GT1090	117	18.8	98	23392	145	20.5	88	24000	115	20.2	85	22971
GT1822	127	18.6	99	23996								
GT1906	131	20.1	98	23022								
GT2006	126	23.3	99	23697	159	22.7	97	23200	118	20.8	94	23200
GT2060	136	20.4	94	24000	159	22.9	91	23600	128	20.5	94	22857
GT3008	139	23.7	99	24000								
GREAT LAKES												
5922	141	22.4	95	23640								
GROWMARK												
FS 211	131	20.5	92	22846	156	21.4	92	23733	110	18.2	62	21942
FS 275	141	20.7	97	24000								
*FS 412	132	21.8	96	23485	166	21.5	93	24000				
*FS 444	145	20.5	95	23933	152	23.3	94	23333	117	20.1	91	23428
HUGHES												
*SLX-30A	135	20.7	93	24000	163	22.7	96	23466	112	22.2	95	21714
3690	159	18.8	97	23090	151	21.2	97	24000				
4891	138	21.6	99	23411								
KALTENBERG												
KX 61	137	20.4	99	23377	167	22.3	98	23066	113	20.4	93	23542
KX 67	146	22.3	100	22384	166	22.8	100	23733				
KX 73	152	23.3	99	23402	163	26.7	97	23866	145	22.2	97	23771
KX 77	142	27.4	96	23389								
LEWIS												
X21B	167	23.0	98	24000								
X22B	125	23.4	99	22891								
X53B	138	26.0	99	20309								
LYNKS												
LX4100	143	22.2	97	22471	154	22.9	97	23200	117	22.3	96	22171
LX4210	149	21.4	98	21959	159	22.3	97	23733				
LX4225	139	20.5	96	23830								
LX4315	150	24.8	96	23816								
MCCURDY												
4956	138	21.8	99	23860								
5596	156	20.9	93	23140	158	22.9	95	24000	119	21.2	83	23314
80-71	139	18.0	98	23337								

WOODSTOCK, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MIGRO												
EXP.5084	128	17.5	99	22942								
HP 360	151	20.6	98	23320	177	22.8	99	23466				
HP 470	158	24.3	97	23193	156	26.5	97	22666	134	23.1	95	23657
O'S GOLD												
SX1170A	140	21.5	99	23350								
SX2450	150	23.6	99	20181								
SX5500A	156	26.5	97	23026	159	28.1	97	23733				
SX6880	152	20.3	100	23891	155	22.7	96	23733	114	20.2	95	23542
SX6882	167	24.6	98	23343	158	27.1	96	23466				
PAYMASTER												
2990	138	20.3	99	23791								
PFISTER												
1650	140	19.2	92	22444								
1720	137	21.4	100	23345								
30A	133	21.3	92	23698					109	20.6	81	23771
30	110	21.8	94	22922	160	22.3	94	23866	132	21.8	98	23542
PIONEER												
*3732	151	20.9	99	23994								
*3747	132	20.3	98	23890								
*3780	142	17.9	93	23729	157	21.4	97	23466	127	19.2	96	21714
POCKLINGTON												
P-223	127	25.3	96	23698								
PRIDE												
4422	131	18.4	99	23316								
5523	143	20.3	98	24000								
5592	135	21.9	98	23690								
6611	144	22.8	97	23740	155	23.5	99	22666				
P-A-G												
EXP. 000164	151	21.6	98	23715								
EXP. 131161	149	23.6	99	21366								
SX 181	123	19.9	96	23852	142	21.6	94	23733	106	21.1	82	22628
*SX 397	124	22.5	89	22275	142	25.1	77	24000	114	22.4	88	23771
RENK												
RK24	139	20.4	100	22486	157	22.8	97	23866				
RK66	134	22.0	93	21117	157	22.8	96	23600				
RK75	154	25.1	98	22525								
RK77	159	26.9	100	23460	187	27.5	92	23466				
STAUFFER SEEDS												
S 4402	135	18.2	98	24000								
S 5602	141	20.2	99	23755								
S 5650	165	22.0	98	22235								
606	140	20.6	93	24000								
STEWART HYBRIDS												
6300	123	23.2	97	22831								
STONE SEED FARMS												
SX29	143	22.2	99	23973								
SX30	131	20.1	91	23940								
SUPER-CROST												
2396	140	19.2	98	23363	151	22.0	97	23866	117	19.9	94	23428
2410	158	20.3	100	23232	162	22.6	98	23866				
2790	143	21.7	99	23639	152	22.9	93	22933				
4337	145	24.4	98	23113	166	24.6	99	23466				
80056	144	21.1	97	23605								
THOR-O-BRED												
SSX 424	140	20.9	99	24000								
SX 400	153	19.0	95	24000								
TROJAN												
T 1000	142	20.3	100	23564	162	22.1	96	22000				
T 1100	148	24.4	97	19663	176	25.6	98	23733				
T 950	153	19.1	96	22041	156	21.2	97	24000				
WEATHER MASTER												
MX6050	134	20.8	98	23787								
WX5060	137	19.1	98	23243								
6190	129	22.2	98	24000								
AVERAGE	141	21.7	97	23295	155	23.0	95	23467	117	21.1	89	23101
L.S.D. 10% LEVEL	21	1.2	5	1643	17	1.0	4	992	20	1.3	14	..
L.S.D. 30% LEVEL	13	0.8	3	1034	11	0.6	3	624	13	0.8	9	..
STD ERR OF HYBRID MEAN	9	0.5	2	703	7	0.4	3	424	9	0.5	6	735

Corn Hybrid Trial Results

DEKALB (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX511	147	19.4	92	20000	146	19.2	80	19733				
RX610	145	20.7	88	20000								
RX622	152	22.3	87	19893								
RX777	128	18.2	90	20000	145	23.8	96	19333	143	19.6	95	18444
DENNIS												
4	138	20.8	84	19827								
EK PREMIUM												
EK7770	141	19.4	92	19977								
EK7780	150	20.0	85	20000								
GROWMARK												
FS 211	157	19.4	83	18322	111	20.5	84	20000	141	16.5	79	19555
FS 275	143	21.4	89	19967								
FS 444	140	23.7	94	19595	147	21.0	93	19200				
FS 675	129	19.3	86	20000								
LEWIS												
X22B	151	22.5	81	20000								
X53B	125	19.2	85	15840	152	23.0	98	20000				
MCALLISTER												
SX7402	131	19.7	91	19965								
SX8003	137	20.5	94	19829	129	20.9	96	18933				
MIGRO												
EXP.5084	147	20.0	83	19982								
HP 360	132	20.7	96	20000	134	20.5	96	20000				
HP 401	139	21.7	90	19333	141	21.8	92	19600				
POCKLINGTON												
P-633	150	20.6	90	18553								
P-A-G												
EXP. 000164	134	20.5	85	19733								
EXP. 131161	131	18.1	93	19839								
SX 181	152	19.8	86	19991	128	20.1	89	19466	131	17.7	97	20000
SX 397	133	20.2	78	20000	135	23.5	92	20000				
RENK												
RK24	145	20.7	91	19815	143	21.0	93	19733				
RK66	138	18.8	91	19812	131	22.1	89	20000				
RK75	131	19.9	85	19951								
RK77	146	20.3	94	19983	150	25.1	91	19733				
WEATHER MASTER												
MX6050	134	20.7	94	19668								
WX5060	136	18.8	88	19587								
6190	143	19.3	84	20000								
AVERAGE	141	20.3	88	19671	137	22.5	93	19544	147	18.6	94	19521
L.S.D. 10% LEVEL	..	..	..	1121	16	1.6	7	..	19	0.9	6	..
L.S.D. 30% LEVEL	..	..	..	702	10	1.0	4	..	12	0.5	3	..
STD ERR OF HYBRID MEAN	9	1.2	4	474	7	0.6	3	451	8	0.9	2	387

Corn Hybrid Trial Results

DEKALB: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AG-ONE-SEEDS												
AG-E104	139	19.3	75	23727								
AG-FG108	157	18.9	94	23059								
AG-GH113	149	18.6	92	21783								
AG-GH114	156	20.0	79	22605								
AG-G110	147	21.1	94	23732								
AMERICANA												
C400	146	19.1	82	23754	155	22.1	97	23733				
2600	132	21.2	91	23955	151	20.0	96	23866				
2900	150	19.6	88	23445	147	21.4	94	24000				
3030	143	20.1	85	21438	151	22.0	93	23066	154	17.0	92	23428
3100	139	19.7	82	22530	179	24.2	97	23466				
ASGROW												
RX610	150	19.4	89	23537								
RX622	125	19.4	58	23623								
RX777	161	20.1	88	23578	155	23.3	94	24000	157	20.2	100	23542
BECK'S												
45X	143	19.3	96	23176	164	22.1	97	23733				
60X	154	20.8	81	23826	150	25.0	98	23866				
65XS	138	19.4	89	23650	174	23.8	94	23733				
BO-JAC												
14	124	19.3	79	23335					137	16.6	94	23771
214	156	18.7	79	23567					168	16.5	98	23657
432	143	20.3	89	23805					155	17.3	97	24000
440	141	18.8	82	23751								
452	136	19.6	75	22827					167	18.5	99	24000
CARGILL												
861	129	19.1	79	22663								
872	155	21.5	91	23387	143	23.3	93	23200	163	17.1	98	20914
921	143	17.8	87	22074	169	25.6	96	24000	142	19.4	95	22171
924	142	19.3	70	23207					155	19.1	95	22742
CFS												
W3610	147	19.2	84	23795					136	17.4	93	22285
W4000	146	19.8	95	23319								
4003	136	21.4	82	23635								
6000	153	19.9	79	23152	163	25.5	99	22666				
CORNELIUS												
C44SX	163	19.7	87	23011	164	21.1	100	22800				
C62SX	137	19.9	90	23936	157	24.7	95	23466	145	18.2	97	23657
SX34	158	20.9	90	23419	151	20.9	94	23466				
CROW												
199	150	19.5	89	23869								
444	139	20.7	81	23631								
DAIRYLAND												
DX1006	136	18.9	85	23907								
DX1007	138	18.1	79	23703	160	20.3	90	22800	151	16.8	90	23428
DX1008	141	18.8	74	23797	158	21.4	95	23200	158	17.7	95	23657
DX1012	133	19.0	84	23275	150	24.1	95	22133	161	18.5	96	23657
DX1016	167	22.1	86	21680	174	25.0	94	23066	150	19.4	95	23771
DX1105	142	18.8	87	22627								
DX1110	133	17.8	86	23107								
DEKALB												
EX-2324	139	20.7	68	23876								
EX-2928	139	21.9	86	23042								
EX-4040	146	18.3	73	23354								
EX-6060	158	21.9	88	23953								
EX-6261	150	19.9	87	22404								
XL 32A	132	19.1	82	23965					142	17.6	93	22971
*XL 55A	138	18.7	86	23043	169	23.7	93	23600	159	18.8	95	23314
XL 72AA	130	18.0	65	22151	163	25.7	92	22800				
XL 73	133	18.9	79	22694								
DENNIS												
3A	157	20.2	87	21829								
FEDERAL												
FX29	153	19.8	85	20453	153	20.9	93	24000				
FX6	143	21.3	93	23789	138	20.7	94	23733	142	17.1	94	22971
FUNK'S												
G-4315	149	20.6	89	23538	149	20.8	93	23866				
G-4342	138	19.8	89	24000								
G-4435	153	19.3	85	24000	154	26.7	94	23600				
G-4438	140	18.1	89	23552								
GOLD TAG												
GT1822	144	18.7	88	23558								
GT2006	159	20.9	87	23418	151	21.5	96	22800	156	17.1	97	23314
GT3006	151	19.1	80	21706	144	25.0	95	23466	165	18.5	97	21828
GT3008	130	18.7	60	23461	140	22.9	93	22266				
GT3020	153	20.0	86	23712					155	19.5	96	23771
GREAT LAKES												
GL 477	143	19.5	79	23434								
5922	136	19.7	87	22447	157	23.9	90	22800	151	19.2	98	23200
80103	132	20.4	72	23583								

DEKALB: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GRIFFITH PURE LINE												
*PL230	133	18.6	83	23843								
GROWMARK												
FS 275	134	20.5	88	23813								
FS 412	141	19.0	82	23221	149	21.4	89	24000				
*FS 444	138	18.2	83	22311	151	21.6	95	23333	139	17.3	94	23085
FS 675	148	21.5	82	23423								
GUTWEIN												
2180	160	20.9	70	22073	161	20.0	90	23466	143	16.0	92	22400
2215	151	19.1	79	21088								
2462	145	20.4	84	23368								
46	125	20.2	81	23845	153	22.1	92	23333	162	17.4	93	22971
HENKEL												
H-14A	147	20.6	86	23502								
H-17A	143	19.1	89	21316	149	22.0	90	23466				
H-19	149	20.2	94	23968	141	26.1	98	23733				
H-20	147	19.0	79	22748	146	23.0	89	23200	151	18.6	91	23428
HUGHES												
*SLX-30A	145	19.2	83	23842	148	21.5	92	23866	146	17.2	91	22400
SLX-39A	148	21.5	86	23595								
6210	151	20.8	88	21685	156	23.9	95	23066				
6230	132	21.4	97	23754	169	22.5	97	22800				
KALTENBERG												
KX 61	160	23.9	90	21714	158	21.6	99	23733	161	17.4	99	23885
KX 67	151	21.5	96	23488	160	22.3	95	21733				
KX 73	132	21.0	88	22541	145	26.0	95	22800	161	19.0	99	23885
KX 77	147	20.6	81	18962	165	24.8	95	24000				
LEADER												
SX495	155	19.3	91	23148	171	22.1	95	22666				
SX510	137	18.1	78	23614	146	20.0	89	23866	152	17.7	76	23542
SX555	143	19.4	87	22387	135	23.6	83	23733	133	19.7	90	22628
SX575	144	18.6	86	22406								
LEWIS												
X21B	123	18.3	79	23763								
X53B	176	21.6	88	16254	162	22.9	97	24000	178	18.2	93	24000
LOWE												
LSX 217	153	19.1	89	23753	155	21.1	97	23466	155	16.9	95	23771
LSX 237	131	22.2	82	22878	153	22.0	99	23200				
LSX 317	138	19.1	91	23843	130	25.1	96	21466	166	18.6	97	23771
LYNKS												
LX4100	144	19.8	93	24000	157	22.1	94	21600	162	17.6	98	23657
LX4210	144	20.9	79	20901	160	21.5	97	22933				
LX4225	156	20.9	90	23405								
LX4315	149	19.4	90	23966	179	24.0	96	22266	163	18.9	95	23657
MCALLISTER												
SX7300B	144	19.6	91	23885	170	27.7	97	23466	174	21.8	98	23542
SX7300I	141	19.4	86	23618								
SX7406	134	22.6	84	24000	150	25.9	93	23866	165	21.0	96	23200
SX7909	147	20.0	88	23968	147	26.1	98	22800	175	19.5	97	23885
SX8003	169	20.1	89	22931	151	21.7	94	23866	146	17.4	98	21714
SX8008	156	21.0	90	23320								
SX8102	150	20.1	91	23607								
MCCURDY												
4956	146	20.0	88	23895	150	21.9	94	23600				
5596	149	19.6	77	23915	171	22.7	93	23733	160	17.7	91	23200
6475	127	18.9	69	23995	145	23.8	90	24000				
6555	162	20.1	86	23168	158	24.7	96	23733	151	18.8	96	24000
MIGRO												
EXP.5084	133	21.1	84	23997								
HP 360	127	20.6	88	24000	150	21.6	96	22800				
HP 401	146	19.3	94	23190	143	22.8	96	23466				
HP 470	130	17.9	82	23253	157	24.6	97	23733	162	18.9	100	23657
NOBLE BROS.												
NB2381	138	19.1	78	22945	145	22.3	95	23866	166	17.1	92	23542
NB2391	150	19.6	89	22699	172	21.9	93	24000	165	17.8	94	22285
NORTHRUP-KING												
PX39	148	19.1	80	23747	150	21.4	90	23466	122	16.8	88	23314
PX69A	140	19.3	90	23539	159	21.0	92	23733	147	18.3	94	23657
PX9454	147	19.7	87	23324	162	22.0	93	24000				
O'S GOLD												
SX1107	170	20.5	92	23670	152	22.3	95	23333	156	17.5	95	23200
SX1170A	141	19.5	65	23458								
SX2450	155	19.7	76	22566								
SX5500AB	146	20.6	90	22819	171	25.0	93	23866	169	20.8	96	22628
SX5500A	150	20.2	86	23154	160	25.4	92	23866	150	18.8	97	23428
SX6880	130	18.8	83	23367	132	22.0	96	22800				
SX6882	137	19.3	89	23866	167	25.8	97	23200				

DEKALB: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
PAYMASTER												
2990	139	18.9	89	23914	154	21.1	94	22800				
4790	133	19.1	92	23989								
PFISTER												
1650	141	21.8	86	23446								
1720	152	19.6	55	22315								
1810	143	19.6	86	23973								
2400	159	20.5	79	22754	148	22.4	96	23200				
30	137	17.9	87	22813					142	17.3	93	22857
PIONEER												
*3541	148	20.1	86	21835	142	23.4	97	23866				
*3780	156	19.5	94	23587	148	20.7	97	23200	152	16.0	93	23771
POCKLINGTON												
P-401	142	19.5	85	23045	136	22.9	90	23333				
PRAIRIE STREAM												
SX50	165	21.2	76	23626	166	25.7	97	21866	174	19.0	97	23542
PRIDE												
4422	159	21.5	82	23934								
6611	130	16.6	71	22020	157	23.5	94	22933				
6692	140	19.0	94	23807								
P-A-G												
EXP. 000164	153	19.5	89	22738								
EXP. 131161	150	18.5	86	23965								
SX 181	130	20.6	87	23706	133	21.2	87	21866	141	17.4	96	22971
*SX 397	150	20.4	85	23424	155	24.8	67	24000	166	18.3	98	23885
RENK												
RK24	122	20.4	92	23938	155	21.1	96	23200				
RK66	159	20.7	88	23027	151	20.8	91	23066	153	17.2	87	23314
RK75	159	20.5	71	23266								
RK77	161	20.6	86	21979	162	26.2	97	23600	151	18.9	89	23885
SIEBEN												
22XS	127	18.3	82	23844	146	20.6	92	23200				
23XS	160	18.6	89	23420								
28XS	144	19.7	85	22919								
35XS	151	20.1	97	23173	162	24.4	99	23466				
45XS	161	22.1	84	23670								
SOHIGRO												
S35	155	20.6	92	23705								
S39	138	19.2	79	23672	159	21.2	92	23200				
S48	138	18.5	80	23956								
STAUFFER SEEDS												
S 5602	135	18.9	84	23407	150	21.7	94	23600				
S 5650	146	18.2	90	23008								
S 6595	147	19.0	87	23903								
606	156	20.6	84	21287								
STEWART HYBRIDS												
6300	149	19.5	90	21408								
6310	152	19.5	85	20711					159	20.4	96	22285
6873A	144	19.4	82	22356								
7389	136	23.0	91	23503								
SUPER-CROST												
2396	140	19.7	91	24000	145	21.8	91	23333	142	16.7	88	23314
2410	148	21.3	94	22949	149	21.2	94	23866				
2790	141	18.8	86	23586	157	23.7	96	22800				
4337	128	18.1	83	21992	159	24.9	97	23600				
80056	152	19.8	82	22386								
THOR-O-BRED												
SSX 424	154	19.8	82	23647								
SSX 536	142	18.8	85	23764								
SX 400	146	21.9	94	23985								
TROJAN												
T 1000	149	20.5	82	22822	155	21.2	96	22933				
T 1058	135	19.3	95	23738	145	21.9	96	23866	151	18.0	95	22171
T 1069	134	21.7	83	23479	158	22.7	94	23733	133	16.7	91	23085
*T 1100	135	17.5	95	22468	163	24.6	97	23466				
T 950	134	20.0	88	23863	146	19.8	90	22000				
VORIS												
V 2411	147	20.0	95	23782	155	21.3	95	23066				
V 2472	136	20.2	78	23108	148	22.8	95	22800	154	16.9	92	23085
V 2491	145	20.1	91	23552	154	26.1	99	22533				
WYFFELS												
*W-26	162	22.9	91	23245	159	21.7	93	23466	154	17.4	91	22171
*W-48	135	19.5	87	23742	172	25.0	93	23066	170	18.5	97	22742
AVERAGE	145	19.8	85	23158	151	23.0	94	23251	148	18.0	94	23222
L.S.D. 10% LEVEL	..	..	..	1474	18	1.7	5	1289	20	1.0	7	..
L.S.D. 30% LEVEL	..	..	..	929	11	1.1	3	812	13	0.6	5	..
STD ERR OF HYBRID MEAN	10	1.1	6	632	7	0.7	2	553	9	0.4	3	754

Corn Hybrid Trial Results

ELWOOD (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ADLER'S												
2910	146	19.7	97	24000								
30X	151	20.2	98	23571								
60X	155	23.4	90	23857								
AINSWORTH												
X-908	127	21.3	92	23142	155	22.4	92	22933				
X-912	148	22.1	93	23857								
AMERICANA												
C400	142	19.2	98	23428								
2600	136	17.7	94	24000								
2900	149	18.8	97	23428	150	19.4	99	23333				
3030	128	20.1	84	23428	152	20.9	96	23733				
3100	142	21.3	98	23000	174	21.2	98	23333				
3120	142	21.2	94	24000	161	22.1	95	22933				
3200	149	21.6	89	22857	135	22.6	93	22666				
ASGROW												
RX511	113	19.4	70	24000	132	18.2	82	23733	125	17.4	97	23542
RX610	136	19.8	87	24000								
RX622	114	20.2	85	23142								
RX777	125	23.3	89	23714	157	21.9	92	23466				
BECK'S												
45X	143	18.7	96	23428	145	19.3	98	23733				
60X	123	20.4	91	24000	136	21.0	94	23733	141	18.8	98	22057
65XS	141	22.4	90	24000	148	22.2	93	23200				
BO-JAC												
14	152	18.0	89	23428								
214	150	18.7	98	24000								
432	151	20.2	97	24000					141	18.8	99	22514
440	153	21.8	95	24000								
452	136	21.5	95	24000					160	19.9	100	23428
CALLAHAN												
C744	136	19.9	97	22571								
CARGILL												
861	133	17.3	95	24000								
872	108	21.1	91	24000								
*921	144	20.4	94	24000	139	24.3	93	23866	124	21.3	90	23771
CFS												
W3610	121	18.4	85	24000					107	16.8	99	23085
W4000	145	21.8	95	24000								
W6420	138	21.8	92	24000	158	23.5	94	23866	141	19.4	94	21714
6007	123	21.4	86	23714								
CROW												
*444	156	21.7	97	23714								
555	137	20.8	92	23857								
DAIRYLAND												
DX1006	154	18.9	92	24000								
DX1007	129	21.4	92	23714								
DX1008	138	19.4	99	23714								
DX1012	161	20.0	97	23571								
DX1016	134	23.6	91	23285								
DX1020	157	24.8	97	23428								
DX1105	154	19.5	84	23714								
DEKALB												
EX-2324	134	17.7	97	24000								
EX-2928	141	18.3	87	24000								
EX-4040	124	20.7	98	24000								
EX-6060	146	22.8	89	22714								
XL 32A	122	19.1	88	24000								
XL 36	149	19.2	86	24000	147	20.0	98	22933				
*XL 55A	142	20.6	92	24000	142	21.6	96	22933	128	19.6	91	23542
XL 57	137	21.7	96	23857								
XL 61	135	25.3	94	24000	142	24.5	93	23333	137	21.0	96	23314
*XL 67	125	21.8	77	23571	156	23.5	96	23866	137	20.7	92	21142
DENNIS												
10A	156	18.6	96	24000								
25	153	22.3	98	24000					148	20.3	100	22285
3A	143	18.4	95	24000	147	19.1	97	22933				
4	139	18.6	97	23285								
FUNK'S												
*G-4315	119	17.5	93	24000	127	19.1	97	23600	119	17.4	97	21600
G-4342	140	20.2	86	24000								
G-4435	146	21.0	93	24000	141	21.2	92	23866	124	19.4	98	23314
G-4438	129	20.7	94	24000								
G-4514	145	23.9	95	24000								
G-4522	154	22.7	92	24000	162	24.7	94	23066				

ELWOOD, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
GREAT LAKES												
GL 522	136	19.4	94	24000								
GL 552	132	20.6	95	24000	150	19.7	95	23333				
GL 592	141	21.5	97	24000	144	21.4	97	23066				
5922	114	22.7	91	24000	132	21.7	95	22800				
80103	143	19.1	93	24000								
GROWMARK												
FS 275	132	19.4	93	24000								
FS 412	146	18.5	75	24000	142	19.7	95	23200				
FS 444	133	19.9	85	24000	143	19.6	94	23733	126	18.6	98	23771
*FS 675	145	21.8	99	24000	152	21.3	97	23866				
GUTWEIN												
2215	147	19.8	95	23714								
2462	145	20.6	87	23857								
2610	137	21.1	98	24000								
46	139	19.4	86	24000								
LEADER												
SX495	159	18.6	94	24000	145	19.7	98	24000				
SX510	138	19.2	89	24000	152	22.2	94	23066	122	18.9	94	23428
SX555	144	21.3	94	22714	143	21.1	93	24000	148	21.0	99	23542
SX575	151	22.8	94	24000								
SX610	129	23.6	93	23000	136	22.6	89	23866	147	20.0	98	22971
LEWIS												
X53B	138	21.8	98	21571	152	21.4	98	24000				
X54B	151	20.3	97	24000	167	21.1	99	21866				
X58B	163	21.4	96	23714	158	21.4	98	23466				
X59B	154	23.9	96	23428								
X63B	158	23.0	96	23142								
X74B	160	26.9	97	24000	161	27.2	97	23733				
LYNKS												
LX4210	141	18.1	98	23428	140	19.7	100	22133				
LX4225	133	20.0	90	24000								
LX4315	138	22.2	98	23571	177	21.7	97	23333	148	20.1	100	22742
MCALLISTER												
SX7300B	160	24.0	94	24000	160	26.1	98	22933				
SX7406	161	22.5	97	24000	147	23.7	92	22133	148	22.0	98	23542
SX7909	159	22.7	97	22857	150	23.1	97	22000	131	20.7	98	22285
SX8001	135	19.5	99	24000	131	20.1	97	23866				
SX8102	142	18.5	97	24000								
MCCURDY												
4956	144	19.1	92	23857								
5596	151	20.1	76	24000	142	20.2	98	24000	146	17.9	95	23657
6555	123	20.4	92	24000	153	21.6	98	22533				
7384	153	23.1	93	24000								
MIGRO												
EXP.5768	149	23.0	89	24000								
HP 360	150	18.4	98	24000	143	19.1	99	22800				
HP 470	148	21.2	96	23142	153	21.2	97	23333	146	19.4	98	22742
NORTHRUP-KING												
PX39	150	19.6	93	24000	153	19.7	97	22533	118	18.3	95	24000
X7002	150	22.3	94	24000								
O'S GOLD												
SX1107	143	18.6	88	24000	138	19.8	95	22933	135	17.8	96	24000
SX1170A	126	19.9	97	24000								
SX5500AB	126	24.1	90	24000	148	24.6	89	23866	158	21.7	100	23885
SX5500A	163	22.3	88	23714	143	22.5	98	23333	127	20.3	97	23885
SX6880	131	19.7	97	24000	131	19.3	97	23333				
SX6882	148	21.5	97	23428	152	22.1	93	22933				
PAYMASTER												
4790	153	21.5	97	24000								
PFISTER												
1720	131	19.1	90	24000								
1810	137	21.3	82	24000								
2400	132	20.8	93	24000	132	19.5	92	23733				
2820	143	20.8	93	24000								
30	146	21.6	94	23857					125	18.8	97	22971
PIONEER												
*3541	148	19.3	93	23142	143	20.6	95	24000	138	17.1	99	23085
*3732	142	19.1	97	23714	152	19.2	98	23866				
*3780	129	17.7	91	24000	138	19.1	98	24000	127	16.7	98	23428
PRIDE												
6678	127	20.5	89	23285	152	21.0	96	23333	129	17.9	97	24000
6692	162	20.4	98	24000								
7759	151	23.4	92	24000	151	22.8	92	24000	147	22.1	97	23542

ELWOOD, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE
P-A-G												
SX 181	122	18.2	95	23428	125	19.2	94	24000				
SX 333	161	21.2	95	23285	136	23.2	97	23600				
SX 351	148	23.1	98	23428	145	24.0	93	23866				
*SX 397	124	19.1	83	23857	155	21.5	92	23333	116	18.5	89	22514
SHISSLER												
GR-8 168	147	19.0	95	24000								
GR-8 175	133	19.1	98	24000								
GR-8 176	149	22.2	98	23857								
GR-8 190	142	22.9	93	24000								
STAUFFER SEEDS												
SUPER 80	135	23.7	95	24000	144	23.7	96	23600				
S 5260	138	19.3	98	23857								
S 5602	149	19.8	97	24000								
S 5650	142	20.6	92	24000								
S 6595	155	20.9	96	23857								
606	117	19.2	89	24000								
STEWART HYBRIDS												
6310	131	22.4	91	23142								
6873A	140	20.1	90	23000								
7389	155	21.5	95	23857								
STONE SEED FARMS												
SX29	123	19.4	97	23000								
SX30	135	19.5	94	24000								
SUPER-CROST												
2396	140	19.9	94	23428	135	19.1	97	23200	127	16.9	99	22400
2410	144	18.9	97	23857	133	19.0	97	23866				
2790	139	19.6	97	24000	141	19.5	97	23866				
4337	153	21.3	97	23714	147	21.8	98	23466				
80056	147	19.8	93	24000								
THOR-O-BRED												
SSX 424	142	17.5	96	22714								
SX 400	136	18.0	86	23857								
TRISLER												
T-2660	154	19.7	95	24000	130	20.0	96	22000				
T-2900	141	20.3	91	24000	133	19.8	92	23066				
T-2920	145	19.6	92	23714								
T-5250	147	21.7	96	24000	135	21.6	97	23733				
T-5256	148	21.4	94	23142	132	21.5	89	23733				
T-5470	135	24.4	94	24000	157	23.9	97	23600				
T-5750	134	24.3	96	24000								
81-8	150	18.5	99	23714	145	19.3	97	23066				
TROJAN												
T 1000	132	18.5	93	23571	150	19.2	98	23600				
T 1058	146	20.0	91	23857	141	20.2	97	24000	131	19.3	99	23085
T 1069	131	21.5	94	24000	159	19.5	96	23200	111	18.4	97	23428
T 1100	151	21.5	97	24000	160	22.0	97	23066				
VORIS												
EXP. 0064	141	19.2	92	24000								
EXP. 1007	133	25.3	93	24000								
V 2472	136	20.1	92	24000	145	19.5	97	24000				
V 2491	128	22.9	96	24000	156	21.2	97	23733				
V 2521	131	23.4	94	24000	158	25.0	99	22000				
AVERAGE	142	20.8	93	23768	145	21.5	95	23365	132	19.5	97	23152
L.S.D. 10% LEVEL	21	1.7	7	..	19	1.3	5	..	19	0.9	4	1214
L.S.D. 30% LEVEL	13	1.0	4	..	12	0.8	3	..	12	0.6	2	765
STD ERR OF HYBRID MEAN	9	0.7	5	379	8	0.5	2	519	8	0.4	2	520

Corn Hybrid Trial Results

MONMOUTH (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-719	138	20.0	96	19991	180	21.5	92	20000				
X-920	131	20.1	85	20000	171	23.0	89	20000	148	18.1	98	18216
AMERICANA												
3200	109	19.4	89	19991	174	21.1	93	20000	147	17.7	99	19121
4100	132	19.5	98	19328								
4500	143	19.9	89	19993	174	21.2	90	19600	146	18.3	98	19650
4640	156	21.1	97	19331	164	23.6	98	19066	141	20.3	98	17988
4700	119	19.9	90	20000								
4730	140	23.2	94	19851	166	23.7	96	20000				
BO-JAC												
452	140	18.9	98	19860	183	20.2	96	20000				
5601	137	20.2	94	19737								
CARGILL												
921	111	19.6	84	19866								
924	125	19.8	96	20000								
967	164	19.8	87	19991					126	18.9	95	18781
DUESTERHAUS												
DS108	128	17.0	96	20000								
DS112	129	19.3	93	19988								
DS115	119	20.0	86	19465					143	18.3	100	19345
FEDERAL												
FX39	132	19.2	83	19342								
FX8	85	19.0	96	20000								
GOLD TAG												
GT4022	108	21.0	95	20000								
LEWIS												
X52B	121	19.9	92	19995	161	21.1	90	19466				
X58B	130	19.6	95	19996	175	21.4	97	19866				
X74B	123	22.3	94	19596	175	24.7	96	20000				
MCALLISTER												
SX7300B	138	23.3	95	19871	174	24.5	97	19733	159	19.9	98	18551
SX8003	131	17.9	96	20000	145	19.0	99	20000				
MIGRO												
EXP.5768	129	20.5	95	19743								
HP 401	112	17.0	96	19589	143	19.5	96	20000				
HP 470	144	18.4	97	20000					127	16.1	98	19259
POCKLINGTON												
P-501	135	20.5	94	19864								
P-660	132	19.9	98	20000								
P-A-G												
SX 277	122	17.7	93	20000								
SX 333	135	19.6	95	19732	163	21.3	95	20000				
SX 351	131	20.0	97	19882	170	22.0	90	19333	121	18.3	98	19330
SX 397	134	18.6	89	19746	144	19.4	83	19333				
SUN PRAIRIE												
SP230	138	18.9	96	19725								
SP232	130	19.4	89	19994								
SP455	136	22.5	98	19323								
THOR-O-BRED												
SSX 536	130	19.3	99	19591								
SX 544	113	19.7	89	19076								
WHISNAND												
53W	139	21.2	94	19732								
55W	119	25.0	96	19330	170	24.8	86	19866				
77W	111	20.5	86	19992	132	23.1	85	19866				
AVERAGE	129	20.0	94	19800	164	21.6	94	19683	135	18.2	98	19054
L.S.D. 10% LEVEL	24	1.0	7	..	12	0.9	5	720	21	1.1	..	..
L.S.D. 30% LEVEL	15	0.6	4	..	7	0.5	3	452	13	0.7	..	..
STD ERR OF HYBRID MEAN	10	0.4	3	297	5	0.4	4	306	9	0.5	4	627

†FROM SIMILAR TEST LOCATION NEAR GALESBURG.

Corn Hybrid Trial Results

MONMOUTH: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS† YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS† YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-516A	134	19.4	88	23466								
X-617	147	20.7	98	22533	189	22.7	88	23200	156	20.2	98	21965
X-908	139	19.4	94	22266								
X-912	140	18.9	94	23600								
X-918	148	22.7	89	23866								
AMERICANA												
C400	146	17.8	92	23200								
2700	125	17.5	94	22400								
3030	112	18.5	83	22933	164	19.0	90	22666	133	15.5	97	23349
3100	176	19.2	96	23866	172	20.1	97	23600				
3120	138	18.2	92	23466	177	20.7	89	22933				
BECK'S												
86X	145	22.1	97	23733								
89X	138	19.9	95	23866								
BO-JAC												
432	150	17.4	94	22800					131	15.4	96	23182
440	132	18.0	94	23733								
452	128	18.4	93	23733	183	20.5	90	23466	147	16.8	94	23338
5601	139	20.3	91	24000								
562	153	22.7	96	23466	177	23.3	89	23466	164	19.1	99	23811
CARGILL												
921	141	19.1	90	23600	161	20.3	88	23866	144	16.2	98	23502
924	126	20.3	97	23733	158	20.6	93	23866	136	17.2	100	22698
967	161	20.1	92	24000					132	18.7	99	22898
CFS												
E97000	177	22.3	96	23733								
222	128	18.9	90	23066	161	21.1	96	23733	135	17.3	98	22859
4000	151	20.0	95	23866	170	21.5	90	23200	151	17.7	97	21513
6000	152	18.2	94	23866	179	20.5	95	23333	145	16.3	98	22742
8000	174	20.9	94	22666					120	20.8	96	22207
CORNELIUS												
C62SX	158	19.4	94	23466	177	19.8	95	24000	153	16.7	98	22518
C72SX	119	20.5	93	22400								
CROW												
444	145	17.6	95	22666								
555	119	19.6	88	24000								
DAIRYLAND												
DX1006	144	17.4	95	22800								
DX1007	129	18.0	96	24000	154	18.6	93	23600				
DX1008	145	18.0	94	22133	144	18.2	96	23066				
DX1012	144	17.9	95	22266	145	19.9	94	21200	148	16.6	98	23595
DX1016	171	19.6	93	23600	157	21.0	91	22933	150	17.7	99	23188
DX1020	139	22.3	93	23200								
DX1105	140	17.8	93	23733								
DX1110	128	19.0	93	24000								
DEKALB												
EX-6060	140	18.8	91	24000								
EX-6261	133	18.6	89	23733								
*XL 55A	136	20.0	92	24000	165	20.1	94	23733	135	17.2	97	22636
XL 57	143	20.0	97	22533								
XL 61	124	20.5	87	24000	172	22.1	96	23333				
XL 67	116	19.6	92	23466	174	21.5	92	24000	130	18.0	95	21835
XL 71	154	21.0	88	23066								
XL 75	128	19.7	91	24000								
DOCKENDORFF												
7100	127	18.1	94	24000	171	19.0	85	24000	140	16.0	99	23713
7338	164	18.1	94	23733	178	20.0	96	23733	139	16.5	98	23139
7700	138	19.3	91	23733	177	21.5	88	23866	161	18.5	98	22355
7900	127	20.2	80	23333	154	20.5	88	23066	153	17.4	97	23806
EK PREMIUM												
EK7700	99	18.3	93	24000	147	18.4	84	23733	144	17.8	99	23773
EK7770	139	19.9	89	23733	159	21.6	93	23866	138	16.1	98	22933
EK7780	153	18.8	92	24000	188	20.1	97	23733				
EK9900	174	22.1	90	23866	202	22.7	95	23733	152	19.8	97	22378
FUNK'S												
G-4342	138	17.6	93	23333								
G-4435	131	19.0	93	23733	165	20.6	93	23733	132	17.0	96	22412
G-4438	147	18.9	95	23200								
G-4514	153	19.5	92	24000								
*G-4520	140	19.8	83	23466	155	20.9	93	24000	133	18.6	99	23945
G-4522	152	20.8	90	24000	180	22.1	92	23733				
G-4589	145	22.1	98	23066								
*G-4606	135	20.1	92	23200	174	22.4	97	22266				
G-4733	147	22.0	93	24000								

†FROM SIMILAR TEST LOCATION NEAR GALESBURG.

MONMOUTH: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
GOLD TAG												
GT3006	121	19.3	92	23866								
GT3008	121	18.9	97	23466								
GT3020	134	19.6	89	24000								
GT4430	147	21.4	100	23600								
GROWMARK												
FS 275	145	17.6	92	23200								
FS 412	135	17.0	94	23866	156	18.5	90	23600				
FS 444	146	17.8	91	23200	152	18.9	84	23466	137	15.5	99	21971
FS 675	152	18.6	94	23600	179	19.5	93	23466				
*FS 680	132	19.6	92	22533	171	20.9	95	23733	152	17.5	97	22975
FS 685	127	20.4	93	21466								
GUTWEIN												
2215	147	17.5	95	23333	148	18.8	96	23466				
2462	125	19.1	95	24000								
2610	150	18.4	94	23733	162	19.9	95	23466	145	16.3	98	22540
46	144	18.3	93	24000	178	19.1	85	24000	151	16.1	99	23355
62	138	19.2	93	23600	154	21.2	89	24000	140	17.4	98	20503
HENKEL												
H-197	136	19.4	90	23466								
H-19	160	18.2	95	23866								
HOBLIT												
425	140	18.2	96	23333	165	20.3	98	22800				
440	154	20.1	87	24000								
454	160	21.8	96	23066								
ILL. EXPERIMENT												
R806XB73	118	20.9	96	23333	155	23.1	89	23200				
121-9-B73	90	24.5	84	23733								
KITCHEN												
KSC 512	149	19.4	89	23466								
KSC 513	116	20.1	89	23066								
KSC 514	115	21.7	93	22400								
KSC 516	146	21.4	96	23600								
KRUGER												
8109	140	19.0	98	23333								
8110	131	18.6	97	23200								
LANDERS												
9904	139	18.0	97	23466	162	18.9	97	23866				
9910A	130	19.7	89	23866	174	21.0	90	23600				
9910	130	21.1	91	23200	187	20.0	95	21333				
9918A	170	22.1	96	23600	161	25.4	95	23733				
LEWIS												
X53B	151	18.7	99	20800	179	19.9	96	24000	136	15.8	98	23103
X54B	136	18.6	92	24000	163	20.0	97	21066				
X59B	134	20.2	90	23200	160	21.5	85	24000				
X63B	140	20.3	97	22933								
X74B	163	22.4	95	23866	176	23.9	93	23466	166	19.7	99	22481
LOWE												
LSX 317	146	18.8	96	23466	178	19.7	96	22666	124	16.7	97	23756
LSX 401	126	20.4	90	21866	175	21.5	92	23866	130	17.9	100	21335
LSX 507	163	21.8	93	23333								
LYNKS												
LX4225	150	18.9	93	23200								
LX4315	137	19.1	98	23066	171	20.5	97	23866	142	16.2	98	22006
LX4355	135	19.6	94	22933	180	21.9	94	23866				
LX4500	165	22.5	98	23600	166	23.9	88	20666	140	19.7	97	23128
MCALLISTER												
SX7300B	153	23.2	90	22266	175	23.7	94	23733	153	19.8	97	23502
SX7300I	118	18.6	88	23600								
SX7402	141	17.4	97	23200								
SX7406	142	20.5	94	23600	185	21.7	90	22800	139	18.2	98	21161
SX7909	139	18.5	94	23733	158	20.5	94	21333	142	17.2	98	22740
SX8003	122	18.0	92	22533	158	18.4	97	24000	139	15.1	100	23225
SX8008	140	18.5	94	23066	172	19.9	99	24000				
SX8102	133	18.5	95	23200								
MCCURDY												
4956	119	18.9	97	22800								
5596	149	16.9	92	24000	159	19.1	84	24000				
6555	126	18.1	92	23200	190	20.3	97	22933	136	16.2	94	21668
7384	138	19.8	91	23600								
7676	155	20.4	94	23200								
80-37	143	18.6	94	22400								
81-42	147	18.2	94	23866								
84AA	123	22.2	92	24000								

†FROM SIMILAR TEST LOCATION NEAR GALESBURG.

MONMOUTH: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MIGRO												
EXP.5768	154	19.4	93	23866								
HP 360	138	17.1	97	23333	154	19.2	97	23600				
HP 401	140	16.8	97	23200	168	19.2	95	23200				
HP 470	131	18.5	98	22933	160	19.6	95	24000	142	16.4	96	22376
MOEWS												
*SM725	144	21.1	94	23333								
NORTHRUP-KING												
PX39	121	17.7	93	23466	147	19.7	83	22933	138	15.1	99	23790
PX83	135	21.1	96	24000								
X6701	112	21.0	92	23600								
X7002	150	18.7	96	22133								
O'S GOLD												
SX1170A	140	18.2	97	22533								
SX2570	163	19.0	95	24000								
SX5291	150	22.7	93	23333	185	24.0	96	23866				
SX5500A	141	19.5	93	23066	178	20.6	96	23866	147	17.3	99	22114
SX6880	144	17.8	95	22666	157	18.3	93	24000				
SX6882	139	18.4	95	24000	175	19.3	91	24000				
PAYMASTER												
4790	141	17.9	95	24000								
8201	120	20.0	92	23733	170	20.5	85	23200	149	17.7	99	22985
PFISTER												
KERNOIL	153	20.1	92	23200	165	22.3	88	23200	132	19.2	98	22147
2400	133	18.8	97	22800	146	19.4	86	23333				
2820	140	18.9	90	23333								
3500	137	20.7	92	23466								
75	129	19.9	94	23733	169	20.1	93	24000	148	17.5	94	22215
PIONEER												
*3541	131	17.7	93	21866	171	18.5	97	23466	127	15.2	96	22868
*3780	141	15.9	96	23733	158	17.8	97	23866	120	14.0	98	23938
POCKLINGTON												
P-501	134	22.3	97	23333								
P-601	137	19.9	92	23733	159	21.4	87	23333	136	17.1	95	22632
P-602	144	19.9	89	23066								
P-6441	147	20.3	92	22933								
P-673	124	22.7	95	23733								
PRIDE												
5592	161	18.5	98	24000								
6692	158	18.5	96	23866								
7759	151	20.6	95	22800	163	22.1	91	24000	153	19.1	99	22715
P-A-G												
SX 277	131	17.3	97	23600								
SX 333	123	19.5	95	22933	159	21.6	87	23733				
SX 351	135	20.5	83	23866	184	22.7	95	24000	121	18.8	95	20108
SX 397	121	18.2	94	22666	153	18.8	83	24000				
SHISSLER												
GR-8 168	150	17.4	93	23600	149	18.6	95	24000				
GR-8 175	157	17.9	96	23600								
GR-8 176	145	19.4	97	23066	168	20.2	93	23333				
GR-8 190	114	20.5	96	22933	155	21.2	89	23733				
SIEBEN												
22XS	146	18.1	96	23866								
35XS	142	18.9	95	22933	179	19.8	93	24000				
45XS	128	19.6	86	23066	180	22.3	96	22266				
*68XS	177	21.9	98	23866	197	24.1	98	24000				
STAUFFER SEEDS												
SUPER 14	134	22.2	91	22533	165	24.1	91	22666	147	20.2	99	22459
SUPER 80	159	18.9	95	23600	183	20.3	91	23466				
S 5260	140	17.7	91	22933								
S 5602	153	17.4	97	23866								
S 6595	139	18.5	93	24000								
S 7759	145	19.6	83	23600								
114+	146	22.4	97	23466	185	23.6	94	23200				
STEWART HYBRIDS												
6873A	133	18.7	98	22933								
6873	133	19.0	96	23600	156	21.3	92	24000	134	17.4	99	22469
7324	152	22.0	94	24000	175	24.5	90	24000				
7389	133	18.9	91	22666								
77A	154	20.2	96	22533								
7824	129	22.4	91	23200								
STONE SEED FARMS												
SX73	119	19.2	91	21466								

†FROM SIMILAR TEST LOCATION NEAR GALESBURG.

MONMOUTH: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS† YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
SUPER-CROST												
4337	150	18.5	96	23866	174	19.4	93	24000				
4661	146	20.1	95	23866								
5452	136	19.7	89	24000								
*7600	154	22.1	97	23733	162	24.1	91	23866				
7801	146	21.0	87	22400								
80056	142	17.6	91	24000								
82085	121	20.4	89	22666								
THOR-O-BRED												
SSX 424	119	17.8	94	23066								
SSX 536	154	18.9	99	24000								
SX 400	133	16.5	93	23866								
SX 544	138	19.5	91	23200								
TROJAN												
T 1000	129	17.1	94	23200	151	18.3	97	24000				
T 1058	129	18.0	96	23466	143	18.2	88	23466	121	15.7	96	23457
T 1069	139	18.4	95	23333	152	19.0	90	23333	128	15.6	99	22913
T 1100	157	18.7	93	23733	180	19.5	96	23466				
VORIS												
EXP. 1007	144	21.0	97	23866								
EXP. 1038	145	22.3	95	24000								
V 2491	132	18.6	95	22666	163	20.0	95	24000				
V 2601	148	18.8	89	23733	162	21.2	93	24000				
WYFFELS												
*W-48	137	18.9	94	23466	177	19.5	93	24000	144	16.6	97	24032
AVERAGE	141	19.5	94	23371	164	20.5	91	23397	137	17.3	98	22632
L.S.D. 10% LEVEL	23	1.0	..	..	20	0.8	7	1191	18	0.8	4	..
L.S.D. 30% LEVEL	15	0.7	..	..	13	0.5	5	751	11	0.5	2	..
STD ERR OF HYBRID MEAN	10	0.4	3	534	8	0.3	3	511	8	0.3	2	735

†FROM SIMILAR TEST LOCATION NEAR GALESBURG.

Corn Hybrid Trial Results

KILBOURNE, IRRIGATED (28,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-516A	156	21.1	47	27177								
X-518	145	22.4	58	27588								
X-617	108	21.7	57	27856	149	20.4	96	27901	144	18.9	93	21238
X-910	132	21.1	45	26379	145	18.5	93	26964	130	16.5	85	22761
X-918	127	22.5	51	27992	146	21.1	95	26918				
BO-JAC												
562	141	22.7	52	26387								
923	153	23.5	84	26945					124	19.1	98	22952
CARGILL												
921	108	19.6	58	26940	135	18.0	94	27626	96	15.4	88	22857
*924	125	21.1	53	27073	107	18.1	97	26137				
967	133	20.8	62	27999					121	17.4	98	23142
CFS												
E97000	119	22.4	49	28000								
W6420	129	20.6	56	25845	170	18.6	88	27869	129	16.1	87	21238
222	125	19.6	44	25869					100	16.1	93	22190
CROW												
430	112	18.6	88	27855								
688	142	22.2	64	27200								
DEKALB												
EX-6261	145	19.6	55	27889								
EX-7778	124	22.1	68	26938								
XL 57	125	21.5	79	28000								
XL 67	123	21.8	59	27612	142	19.7	96	27961	120	16.9	92	20952
XL 71	120	21.7	58	27476					93	17.6	94	22761
*XL 72AA	131	20.2	47	26694					106	17.1	96	19904
XL 72B	125	22.0	70	27860	160	21.2	93	27920	115	17.0	98	18857
XL 73	118	22.4	50	27998								
DENNIS												
10A	94	16.0	67	28000								
25	144	19.6	85	26140								
FUNK'S												
G-4514	132	21.1	55	27889								
G-4522	135	21.5	64	27454	149	20.0	98	27975				
G-4578	142	21.4	58	27750								
G-4589	140	22.0	82	27986								
G-4733	159	25.5	71	27867								
GOLDEN HARVEST												
*H-2500	137	20.9	50	26670					116	16.7	93	20476
GROWMARK												
*FS 444	126	18.6	57	27999					96	14.5	85	23714
FS 675	99	18.8	86	27189	102	16.6	96	27860				
FS 680	146	21.3	39	25469	139	19.8	96	27978	119	16.7	93	22285
FS 685	100	21.8	44	26393	126	21.1	96	27795				
FS 850	138	23.2	40	27747	128	21.8	90	28000	119	17.6	75	22571
FS 852	180	22.7	74	27201	156	22.6	95	27650				
HOBLIT												
454	111	22.4	49	27055	166	22.3	97	23932				
457	129	21.1	59	28000								
LEWIS												
X53B	133	20.8	81	24808	133	18.0	96	28000	119	15.3	99	22571
X54B	138	20.2	73	27060	120	17.1	98	26015				
X59B	142	21.0	68	25736	151	21.2	99	27903				
X63B	138	21.2	59	26415								
X74B	134	21.6	51	28000	119	21.5	97	27972	122	19.2	96	20761
X83B	120	21.7	54	27877								
X92B	124	23.0	45	27610	169	21.2	94	27785				
LYNKS												
LX4315	134	19.5	82	27469	137	18.0	96	27603	119	15.1	96	17714
LX4355	139	21.6	47	27602	145	21.0	97	27045				
LX4488	180	23.2	75	27991								
LX4500	127	23.0	51	25734	120	23.1	95	25650	126	19.8	97	21047
MCALLISTER												
SX7300B	111	21.7	62	26402	131	21.8	97	27436				
SX8003	124	19.0	100	26135					110	14.5	98	23047
SX8102	118	18.0	89	27597								
MCCURDY												
6555	103	18.4	60	27996	135	18.4	98	27410	129	15.3	95	21333
7384	137	21.4	57	26545								
7676	118	22.2	37	26789	142	19.7	95	27913				
80-62	119	23.8	66	27854								
81-82	167	24.0	54	28000								
84AA	141	24.9	72	27991	174	22.4	93	27984	111	19.5	96	22095
MIGRO												
EXP.5129	149	23.5	49	26921								
EXP.5199	146	23.0	63	28000								
EXP.5768	131	21.7	52	27346								
HP 87	136	24.3	68	27997	153	22.4	96	27688	126	18.9	95	21142
M-0707	140	22.1	70	27462	141	20.8	96	28000	126	18.5	94	22666

KILBOURNE, IRRIGATED, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
O'S GOLD												
SX2570	128	21.1	49	27871								
SX5509	150	23.9	52	26397	148	22.4	97	26566	116	19.4	94	22095
SX6882	155	19.1	71	28000	131	17.6	99	27376				
PAYMASTER												
6990	161	19.6	62	24947	129	18.5	96	27317				
8201	131	20.9	32	28000	165	19.3	97	27776	115	16.1	88	21238
PFISTER												
KERNOIL	113	21.6	64	27206	139	20.0	90	25196	116	17.9	94	21714
3500	134	22.1	43	26808								
65	120	21.4	64	27457	122	20.3	96	27785	109	17.2	98	22952
68	92	20.7	55	27735								
PIONEER												
*3541	87	18.0	87	27981					116	14.1	97	22666
*3780	143	17.8	76	27445					107	14.0	93	23428
POCKLINGTON												
P-501	109	21.2	65	25867								
P-601	114	20.3	55	28000	129	20.0	95	26509	107	16.1	92	20761
PRIDE												
6678	121	19.6	57	27203	126	17.4	97	27571				
6692	124	19.7	60	27453								
8811	138	25.1	47	27979								
P-A-G												
SX 333	139	21.2	48	28000	139	19.5	95	27614	130	16.5	88	22380
SX 351	149	22.1	51	27192	139	19.5	98	26493	98	17.7	98	21142
*SX 397	105	19.0	60	26797	125	17.2	72	27686				
RING AROUND												
1404	97	19.8	90	27468								
1502	151	22.6	60	28000								
SHISSLER												
GR-8 176	162	20.6	86	25726	120	17.5	96	27564				
GR-8 190	113	21.0	43	27873	143	20.0	94	27841				
GR-8 194	127	22.8	57	26778								
GR-8 196	127	23.3	58	27722	162	22.1	92	27466				
STAUFFER SEEDS												
SUPER 14	151	23.4	61	27973	139	21.0	94	27862				
S 6596	147	19.6	91	27337								
S 7759	145	22.1	44	27999								
S 8818	130	23.3	74	27336	139	22.4	98	27883				
1141	103	23.0	51	27734	132	21.7	95	27970				
STONE SEED FARMS												
SX35	157	20.9	80	25719								
SX41	127	22.8	48	27581								
SX42A	145	24.4	68	25344	166	22.5	99	26291	127	18.5	92	21904
SX73	139	20.3	54	25854	133	19.8	96	24072	84	17.5	95	20380
SUPER-CROST												
4337	84	18.7	45	24512	130	17.9	96	26567				
4661	146	20.7	35	27067								
5452	143	20.7	58	26952								
7600	136	22.7	51	27208	145	21.7	93	27128	129	19.2	90	17714
80056	115	17.3	70	27607								
82085	168	21.8	58	27736								
TROJAN												
T 1100	151	19.3	56	26132	145	18.1	96	27166				
T 1189	140	21.2	39	27050	135	19.8	91	26700	127	18.3	94	21333
T 1230	137	24.6	57	28000								
T 1251	126	23.4	67	27452								
VORIS												
EXP. 1036	159	22.1	78	28008								
V 2641	148	24.1	53	27507	156	22.2	95	26027				
AVERAGE	132	21.4	61	27218	134	19.7	95	27270	112	16.8	92	21478
L.S.D. 10% LEVEL	30	1.2	21	..	25	1.0	5	..	24	1.0	9	2500
L.S.D. 30% LEVEL	18	0.8	13	..	15	0.6	3	..	15	0.6	6	1575
STD ERR OF HYBRID MEAN	12	0.5	9	733	10	0.4	2	857	10	0.4	4	1070

Corn Hybrid Trial Results

URBANA (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-516A	165	24.7	99	19545								
X-617	154	26.2	98	19545	152	24.3	93	19600	134	22.0	97	20000
ASGROW												
RX610	145	20.2	100	19545								
RX622	151	20.3	100	18030								
RX777	136	24.0	100	18787	158	23.7	47	19866				
RX864	147	24.0	99	19848								
RX909	165	25.8	100	20000	164	27.6	93	19733	109	21.1	100	19753
BO-JAC												
5601	174	23.2	100	19696								
562	176	25.5	96	19848	175	28.1	96	19733	135	22.7	100	20000
CARGILL												
921	158	21.4	99	20000	165	22.2	84	20000				
967	164	24.1	98	19242	150	26.1	67	19866	84	21.3	98	19876
DENNIS												
4	147	19.5	100	19090								
GOLD TAG												
GT4022	164	27.1	100	19848								
HOBLIT												
440	164	24.8	100	19242								
LEWIS												
X53B	147	21.6	98	17272	156	22.8	94	20000	110	18.8	96	19629
X59B	153	23.6	98	19242	166	25.0	83	19866				
X74B	171	26.3	99	19090	161	27.2	82	20000				
X82B	165	26.5	100	20000								
X83B	150	25.6	100	19545								
X92B	152	24.8	100	20000	159	25.3	91	19733				
MCALLISTER												
SX7300B	174	26.4	100	19696	171	25.6	85	20000	120	22.5	100	19876
SX7909	144	23.4	99	18636	156	23.2	94	18933	130	19.9	100	19876
MIGRO												
EXP.5199	159	28.7	100	19393								
EXP.5768	169	24.4	99	19242								
M-0707	168	24.2	100	20000	180	27.9	96	20000	115	22.2	99	20000
PFISTER												
KERNOIL	150	25.1	98	19848								
3500	161	24.2	98	17575								
65	160	24.7	98	19696								
68	140	24.1	100	19090								
POCKLINGTON												
P-6441	153	24.0	96	19545								
PRINCETON												
SX870	163	29.2	100	19848					100	24.4	96	19506
P-A-G												
SX 333	166	23.5	100	20000	140	23.6	57	20000				
SX 351	170	26.1	99	20000	156	25.2	66	20000	98	20.8	100	20000
SX 397	152	21.5	99	18939	158	20.0	81	19733				
SOHIGRO												
S48	145	21.8	98	19848								
S57	153	23.7	99	20000	156	23.9	76	20000				
SUN PRAIRIE												
SP540	185	25.1	100	19393	149	28.5	65	20000	121	23.9	97	19753
SP600	178	27.9	100	19848	161	26.1	74	19733	120	22.8	98	17654
THOR-O-BRED												
SSX 536	163	22.0	99	20000	159	25.4	86	20000				
SX 544	165	23.5	98	18787	151	23.9	74	20000				
SX 545	166	25.1	100	19545	149	24.7	85	19866				
SX 660	167	28.0	99	19848								
AVERAGE OF 1982 ENTRIES	160	24.5	99	19433	151	24.2	78	19705	107	20.9	97	19677
L.S.D. 10% LEVEL	..	1.8	..	..	19	1.9	21	21 15	20	1.4	11	..
L.S.D. 30% LEVEL	..	1.1	..	..	11	1.2	13	513	12	0.9	7	..
STD ERR OF HYBRID MEAN	9	0.8	1	546	8	0.8	9	347	8	0.6	5	391

Corn Hybrid Trial Results

URBANA: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ADLER'S												
2910	148	19.1	99	22615								
30X	170	20.1	100	23384								
60X	180	21.9	99	23384								
AGRI GOLD												
XA818	185	21.6	100	23846								
6475	164	20.7	97	22615					134	18.8	98	22266
6612	179	22.6	100	23692								
6810	175	24.8	94	24000								
6910	186	23.0	100	23076								
AINSWORTH												
X-617	187	23.5	100	23846								
X-719	148	23.1	90	23384								
X-912	149	21.8	100	22307								
X-918	175	23.7	98	23692	158	25.1	50	22933				
AMERICANA												
3100	157	20.2	100	21692	157	20.6	65	23466				
3120	156	21.1	99	23384	141	21.2	56	23333				
3200	158	21.5	97	22769	137	20.0	21	23866	137	19.0	97	23733
4100	169	23.1	99	20461								
4640	185	22.8	98	22923	173	23.8	78	22533	135	21.2	93	24000
4700	181	21.2	99	24000	155	20.5	63	23866	131	19.7	97	21866
4730	173	24.1	100	23538	158	24.3	43	23733	152	22.1	100	23066
4808	158	25.5	96	21076	160	22.7	56	23466				
ASGROW												
RX777	183	21.9	100	22615	131	24.4	37	23466	133	21.3	93	22533
RX909	185	21.8	99	23076	143	22.6	57	23466	170	21.9	99	23466
BECK'S												
65XS	169	21.2	97	23538	151	18.9	59	23333				
65X	184	22.5	97	23846								
86X	179	23.1	94	23384	161	24.4	58	24000	150	21.5	100	22266
89X	169	24.3	100	23538	148	24.0	49	23733	164	22.9	100	23866
BO-JAC												
*432	172	18.2	98	24000	166	19.8	66	23866	120	17.7	99	22800
440	175	20.2	100	23846								
452	147	23.3	99	22153	158	21.2	55	24000	150	18.5	98	21066
5601	193	22.4	99	23846								
562	178	24.1	97	20923	159	23.4	60	23600	152	22.6	100	23466
CAMPBELL												
C-69	180	20.8	98	23846								
C-99	193	23.8	98	23538	168	24.1	54	23866	164	23.6	99	22666
CARGILL												
*921	160	19.7	100	23846	161	20.1	66	23600				
924	172	20.6	100	23230	139	20.9	69	23200				
967	184	21.5	100	23076	153	21.2	54	23600	102	20.6	99	23466
CFS												
E97000	191	23.6	99	23538								
W6420	172	19.6	96	23538	135	20.9	26	23733	132	18.5	98	20800
222	181	22.0	99	23538	152	21.3	58	22933	122	18.4	98	21733
4000	175	20.9	97	23692	142	20.9	60	23866	163	21.2	99	22933
6000	164	20.0	100	22923					128	18.2	100	22400
CROW												
666	186	22.7	100	22769								
688	166	22.4	100	22000								
690	176	24.6	98	23538								
DAIRYLAND												
DX1006	147	17.8	95	23384								
DX1007	158	19.2	96	24000								
DX1008	159	19.3	100	24000								
DX1012	179	20.7	98	23846								
DX1016	176	21.6	99	19846								
DX1020	178	24.4	100	22461								
DX1105	164	18.8	97	23692								
DX1110	141	20.5	99	23230								
DEKALB												
EX-6060	171	22.4	98	22769								
*XL 55A	140	19.6	99	21076	163	20.3	57	24000				
XL 56	153	19.7	98	22307	168	21.1	77	22933				
XL 57	145	22.7	100	23538								
XL 67	148	21.8	100	21538	165	22.4	32	23600	132	20.1	87	23333
XL 71	197	23.7	98	22923					100	20.1	94	22266
XL 73	156	23.2	100	23846	159	22.5	67	23600				
DENNIS												
10A	142	18.2	96	23692								
25	167	20.4	99	22615	153	18.0	58	24000	140	19.0	99	21600
26	157	20.6	100	24000	151	20.6	29	22933	132	23.3	100	23200
3A	128	18.3	99	20307	124	16.8	32	23600				
37A	163	21.2	99	23230					108	20.9	100	21200
39	168	23.0	100	21692	155	24.1	67	23466	144	24.4	99	21866

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
DOCKENDORFF												
7100	161	18.9	96	24000	125	19.2	20	23600				
7338	165	20.4	100	23076	166	18.7	70	24000				
7700	179	21.0	92	23384	156	20.9	31	23333				
7900	154	21.4	95	22923	161	20.3	32	23600				
FULLER												
10	137	17.8	94	18923	130	18.8	36	24000	114	16.3	97	22533
19	135	18.2	100	20000	123	18.8	24	22933	128	16.9	99	22533
35	152	20.6	96	21538								
45	163	22.1	98	22000	167	19.6	57	23600	129	18.7	100	22400
69	169	22.9	99	22000								
70	174	21.8	100	22769	160	21.2	76	23600	138	19.9	98	20000
FUNK'S												
G-4342	163	19.8	94	22307								
G-4435	157	21.1	97	22000	130	19.0	49	23733	128	18.7	98	23200
G-4438	161	20.8	97	21846								
G-4514	185	22.3	99	23076								
*G-4522	191	23.3	95	23230	159	19.7	61	24000				
G-4606	165	21.5	97	22615	148	20.1	22	24000	105	20.9	81	22400
GOLDEN ACRES												
T-E 6995-A	203	21.9	97	22461	163	20.5	41	23733	119	19.1	99	18800
T-E 6995	180	22.4	99	20923	152	20.4	48	23466	142	19.4	97	22533
T-E 6998	159	25.0	100	21384								
GOLDEN HARVEST												
H-2479	151	18.8	98	23230								
H-2480	165	18.5	99	23538								
*H-2500	171	22.2	98	22923	148	20.6	36	24000	131	18.9	97	21733
H-2535	153	19.9	97	22461	157	19.2	62	23733	121	18.3	98	22800
H-2536	174	20.8	100	22923	130	21.0	23	23466				
H-2656	181	24.5	100	22769								
GOLD TAG												
GT3006	162	21.5	98	23846	153	20.0	47	24000	130	19.3	100	22533
GT3008	156	20.1	96	21846	124	19.6	37	23333				
GT3020	172	22.3	97	22923	179	20.0	66	23200	150	19.9	100	23466
GT4430	168	23.5	99	22461								
GREAT LAKES												
GL 522	164	20.2	98	23076								
GL 592	156	18.6	98	23076	139	18.6	67	23066				
5922	139	21.4	99	22307	146	20.7	54	24000				
80103	139	18.2	94	23538								
GROWMARK												
FS 444	149	19.7	98	22153	139	18.6	41	23733	127	16.5	99	22133
FS 675	181	20.4	100	23846	170	20.3	58	22933				
*FS 680	180	20.6	99	22000	162	19.7	23	23600	136	19.2	98	22133
FS 685	167	21.6	99	23692	155	22.5	60	23600				
GUTWEIN												
2215	150	19.4	99	21230								
2462	149	19.8	99	24000								
2610	180	19.8	98	23846					141	18.3	98	22933
46	146	19.3	98	23692								
62	168	22.4	100	23076					123	19.0	98	21066
HOBLIT												
425	179	20.5	100	24000	154	19.7	55	24000	139	18.1	99	22133
440	196	21.2	100	22615								
KITCHEN												
KSC 512	178	22.5	94	23692								
KSC 513	194	22.8	98	23384								
KSC 514	170	22.1	99	18769								
KSC 516	170	23.3	92	22307								
LANDERS												
9910	181	24.0	99	23692	153	21.2	77	18266				
9918A	169	24.1	98	22307	152	23.3	44	24000				
9920	183	22.8	99	23538								
LEADER												
SX555	177	19.8	98	22769	138	19.6	54	23733				
SX575	175	20.8	100	24000								
SX610	176	21.8	100	21384	131	20.8	72	23200	121	19.6	97	24000
SX620	161	23.4	97	22769								
SX630	182	22.1	97	22769	178	22.7	89	23600	146	20.4	99	23200
SX717	172	22.4	100	22153								
SX722	171	26.8	99	21692	143	22.7	38	23733				
LEWIS												
X52B	156	21.4	97	21692	157	20.2	33	23733				
X54B	167	21.0	99	23384	153	20.7	40	20533				
X59B	188	20.9	99	23230	154	21.0	47	23600				
X63B	157	20.9	100	20307								
X74B	164	24.5	99	22461	160	23.8	35	23733	167	21.5	99	23466
X81B	181	26.6	99	23384	152	24.8	48	23466	122	22.9	92	23733
X83B	168	23.4	99	22923								
X92B	178	22.3	100	22769	162	24.3	76	23733				

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
LOWE												
LSX 317	173	19.9	98	23538	146	19.4	49	22400				
LSX 380	189	20.7	97	23538	159	20.2	49	23733	115	19.3	100	22400
LSX 401	177	20.9	98	22769	162	20.7	38	22933	115	19.8	100	22133
LYNKS												
LX4225	146	20.1	99	22769								
LX4315	165	19.5	98	23846	168	19.6	67	23466	146	18.7	98	22800
LX4355	192	22.1	100	22461	145	21.1	59	23866				
LX4500	164	24.0	100	22307	172	22.7	44	21466				
MCALLISTER												
SX7300B	181	23.0	99	22769	164	22.6	60	23733	162	22.9	100	22533
SX7402	148	19.2	99	21846								
SX7909	177	19.3	98	23692	161	20.9	81	21866	135	19.4	100	21466
SX8001	157	18.4	98	22769								
SX8003	145	19.1	100	23538					124	17.5	100	23733
SX8008	166	22.5	100	19538								
SX8102	151	18.1	98	22769								
MCCURDY												
4956	142	19.7	97	23230	156	19.0	74	23466				
6555	173	19.6	99	20615	154	19.1	48	23866	123	18.3	100	23066
7384	138	21.4	97	23538								
7676	176	21.1	100	23538	155	21.4	72	23600				
80-37	178	21.3	99	23384								
80-62	168	25.5	99	23538								
81-42	150	19.9	96	22000								
84AA	167	23.5	99	24000	158	23.8	47	24000	141	22.0	100	23600
MIGRO												
EXP.5768	168	20.9	99	23230								
HP 401	151	18.5	98	23230	160	19.1	70	23333				
HP 470	169	19.4	99	21692	142	20.0	33	24000	139	19.1	100	23600
NOBLE BROS.												
NB2381	140	19.2	100	21384								
NB2391	151	18.4	97	22615	117	17.4	33	24000				
NB2501	158	20.8	100	21384	133	18.0	39	23466	136	19.0	100	23733
NB2511	152	21.3	100	21076								
NB2551	159	22.7	100	23692	119	21.4	24	22800	130	19.0	100	22000
NORTHRUP-KING												
PX39	159	18.6	100	23692	134	18.4	43	23866	113	16.4	100	23200
PX79	169	22.7	100	22153	153	22.9	57	23733				
PX83	176	23.3	99	23384	165	21.7	43	23733				
PX9454	146	19.9	95	22615	142	18.1	38	23866				
X6701	172	23.0	100	22461								
X7002	169	19.6	98	23692								
O'S GOLD												
SX2570	154	22.3	97	22769								
SX5291	169	24.1	100	23538	163	24.4	59	22666				
SX5509	179	24.8	98	23692	159	25.1	69	23600	131	23.9	95	22800
SX6882	168	19.8	99	24000	169	19.8	81	24000				
PAYMASTER												
4790	163	19.3	99	22615								
8201	174	21.0	97	22923	141	20.2	55	22266	125	19.1	99	22800
8951	200	23.3	100	23538								
PIONEER												
*3382	188	20.9	100	23384	177	20.6	77	24000				
*3541	172	18.4	98	24000	164	18.4	56	24000	118	17.5	100	22400
POCKLINGTON												
P-501	149	23.0	95	23076								
P-601	166	20.8	91	24000	158	21.3	48	20800	125	19.6	97	23333
P-6341A	143	22.1	94	23384								
P-6392	167	22.6	97	21692								
PRAIRIE STREAM												
M6500	160	22.4	95	23384								
M6900	164	22.6	97	21230								
SX50	162	20.0	100	22769	161	18.6	60	23733				
SX66	167	21.4	94	21846	151	22.1	44	23600	112	19.7	95	22533
SX710	173	22.9	100	23538								
SX720	169	23.6	100	24000								
SX730	143	25.1	99	21230								
58G73	153	23.3	99	24000								
PREMIER HYBRIDS												
SX632	160	21.4	100	23538	160	18.8	80	22666				
PRINCETON												
SX870	160	23.0	98	22923								
P-A-G												
SX 277	154	20.4	99	22307					111	19.6	98	22666
SX 333	182	21.7	99	23230	160	20.8	52	23466	138	18.6	99	24000
SX 351	175	21.8	97	22615	143	21.0	38	23733	119	20.5	96	23333
*SX 397	160	19.2	93	23076	151	17.7	38	22533				

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
RING AROUND												
1404	179	19.6	99	24000	139	19.7	41	23066				
1502	172	23.6	100	23076								
1604	169	23.9	99	22000								
SHISSLER												
GR-8 168	146	18.7	99	21846	143	16.9	59	23866				
GR-8 175	152	19.1	99	23076								
GR-8 176	175	20.4	100	23230	168	18.8	75	23866				
GR-8 190	184	21.7	100	24000	164	22.1	61	23466				
GR-8 194	182	24.2	100	23538								
GR-8 196	180	24.6	100	21846								
SOHIGRO												
EXP. 306	182	21.3	98	23846								
EXP. 322	168	24.6	99	22769								
S48	155	20.1	96	22153								
STAUFFER SEEDS												
SUPER 14	168	25.8	99	23692	144	22.6	53	22933	143	21.7	100	21600
SUPER 80	169	20.5	100	21384	141	21.3	31	23333				
S 6595	169	20.2	97	23230								
S 6596	158	19.9	98	22461								
S 7759	182	23.2	100	22923								
S 7767	163	20.0	99	23538								
114+	183	24.5	100	23230	166	24.3	70	22400	165	22.5	100	22133
STEWART HYBRIDS												
6873	151	19.9	100	21692					103	20.1	98	22800
7324	183	24.1	98	22769								
7381	139	23.3	100	22461	164	21.5	64	23466				
77A	161	21.7	99	22461								
77	147	22.1	98	22769	157	22.1	42	23066	149	22.3	100	22000
7824	178	24.6	98	24000								
STEWART SEEDS												
SX51	156	21.3	99	21538								
SX58	155	21.0	99	22923	182	21.5	71	24000				
STONE SEED FARMS												
SX35	178	20.4	100	22769								
SX37	160	19.8	95	22923								
SX41	177	22.1	98	22307	173	22.6	43	23600	144	21.5	99	21200
SX42A	156	24.9	99	19692	139	22.8	37	23333	131	23.0	100	21333
SX73	173	22.1	99	21846	129	21.8	20	23466	130	19.6	97	21333
STURDY-GROW												
S/G 621	165	20.1	98	23846								
S/G 805A	182	22.5	99	23846	150	23.2	70	23200	142	21.8	99	23066
S/G 825A	189	21.6	96	23076	171	20.9	21	23866				
S/G 910W	181	24.9	99	22769	123	24.6	38	24000				
SUN PRAIRIE												
SP229	158	19.4	96	23384								
SP230	171	20.2	98	24000	153	18.5	68	21866	129	18.9	99	19866
SP233	158	22.2	98	23692								
SP240	177	21.6	98	23384								
SUPER-CROST												
4337	146	20.0	100	22307	166	19.4	54	23600				
4661	160	20.3	99	23692								
5452	159	21.3	100	20615								
7600	171	23.6	98	22461	160	24.7	55	23466	128	22.3	99	21066
82085	173	22.0	100	21230								
THOR-O-BRED												
SSX 536	164	21.2	99	22615	144	19.9	55	24000				
SX 544	168	20.7	100	21538	146	21.4	47	22666				
SX 545	161	22.2	97	22307	165	22.7	52	23600				
SX 660	178	25.1	99	23384								
TRISLER												
EXP. 81-21	172	24.7	100	23846								
T-2660	135	19.1	99	22769	136	18.1	78	23600	120	17.7	100	23600
T-2777	143	20.2	98	23230	160	20.3	60	23866				
T-2900	150	18.5	100	23384	117	17.6	23	22800	127	16.1	100	22666
T-2920	143	18.9	99	22461								
T-5150	157	19.9	96	24000	130	18.9	22	22800				
T-5250	160	21.5	98	21384	166	19.8	91	23066	142	18.9	100	23333
T-5256	150	20.4	98	21846	160	20.5	31	23333				
T-5450	166	21.6	96	22153	136	20.5	30	22933	112	19.3	97	21200
T-5460	173	22.2	100	24000								
T-5470	158	22.1	99	21538	155	21.2	54	23200	127	20.4	100	18533
T-5750	158	21.9	100	22615								
T-7510	158	23.6	100	22307								
T-7530	181	22.3	99	23538	166	22.0	63	22266	139	21.4	99	20533
T-7550	151	24.8	99	21846	133	22.7	47	24000	119	23.1	92	19866
81-8	150	19.2	100	23076	146	19.0	80	22800				

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
TROJAN												
*T 1100	166	20.2	99	22923	164	20.6	76	23733				
U.S.S.												
1009	147	20.2	98	23384								
1010	173	22.2	99	22923					131	19.2	100	22800
VORIS												
EXP. 1007	161	23.7	100	24000								
EXP. 1036	167	22.8	98	24000								
V 2491	171	20.4	100	23230	158	20.8	70	24000				
V 2521	153	21.5	99	23384	170	20.9	41	23733				
V 2601	184	22.9	99	24000	167	22.9	73	23066				
WHISNAND												
80A	166	22.4	91	22307	172	21.9	45	23733	149	20.1	100	22666
80	167	23.6	87	22615	145	23.0	13	22400	124	21.1	94	22933
811	152	22.2	97	23384	152	24.6	72	23200	105	21.6	100	22800
81	174	21.2	96	23538	129	20.1	32	23733	133	19.9	99	22800
83	165	19.5	100	23384	158	19.7	30	22000	127	19.7	100	20800
870	180	21.7	96	24000	148	21.1	41	23866	115	20.3	98	24000
AVERAGE	167	21.6	99	22833	150	20.9	49	23401	127	19.9	98	22371
L.S.D. 10% LEVEL	19	1.4	3	2009	26	2.3	32	1143	28	1.0	7	2237
L.S.D. 30% LEVEL	12	0.9	2	1266	16	1.4	20	720	18	0.7	5	1410
STD ERR OF HYBRID MEAN	8	0.6	1	862	11	1.0	13	490	12	0.4	3	960

Corn Hybrid Trial Results

PERRY (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-617	153	20.0	92	18933	194	19.4	98	20000	127	20.4	98	19777
X-920	145	18.8	85	20000								
AMERICANA												
4100	140	18.5	95	20000	154	19.2	98	19333				
4640	154	20.1	93	19733	153	19.8	91	17866	112	21.3	98	19888
4730	161	20.4	92	20000	191	20.5	96	20000	131	20.6	96	19333
4808	143	19.8	81	19733	171	20.6	98	18933				
ASGROW												
RX777	163	18.8	92	19866	166	19.4	93	20000				
RX864	142	19.0	93	20000								
CARGILL												
921	132	19.4	91	19866	173	17.5	95	20000				
967	167	18.6	92	20000	159	19.2	92	18533	104	19.2	98	19888
DUESTERHAUS												
DS112	136	18.1	90	20000								
DS115	146	18.5	94	19733	170	19.4	93	18933				
DS118	136	19.8	84	19333	171	19.1	93	19733				
DS119	138	19.9	78	19866	169	20.6	95	19866				
D114	141	19.2	78	19200								
GOLDEN HARVEST												
H-2500	163	18.6	96	20000								
H-2680	156	20.0	87	18933								
GOLD TAG												
GT3020	153	18.2	91	17866								
GT4022	135	20.0	86	19733								
ILL. EXPERIMENT												
R806XB73	142	19.4	72	20000								
121-9-B73	129	21.8	84	20000								
81-5547	126	19.2	82	19733								
LEWIS												
X53B	130	17.5	93	18533	175	17.5	96	19466	116	17.7	98	19777
X54B	150	17.8	97	19600	182	16.8	99	17200				
X58B	148	18.4	90	20000	186	18.8	100	18933				
X59B	154	18.4	89	19600	170	19.3	95	19866				
X62BB	165	18.4	98	20000								
X63B	151	19.2	93	19200								
X74B	143	20.1	87	20000	180	21.2	98	19733				
X81B	124	20.2	70	19333	168	20.6	93	19866	108	22.1	95	19777
X91B	145	19.6	92	19733	168	19.7	94	19866				
X93B	151	18.6	95	19333								
P-A-G												
SX 333	154	19.5	89	19200	153	18.5	92	19466				
SX 351	168	18.9	82	20000	182	18.9	94	20000	88	19.5	99	19222
SX 397	135	17.1	77	19733	160	17.0	93	17733				
THOR-O-BRED												
SX 660	140	20.4	90	19733								
AVERAGE	147	19.2	88	19625	167	19.2	95	19166	109	20.1	97	19727
L.S.D. 10% LEVEL	20	0.8	11	..	..	1.1	..	1395	..	2.2	4	..
L.S.D. 30% LEVEL	13	0.5	7	..	..	0.7	..	875	..	1.4	2	..
STD ERR OF HYBRID MEAN	8	0.3	5	525	10	0.4	2	592	10	0.9	2	279

Corn Hybrid Trial Results

PERRY: INCREASED PLANTING RATE

(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-516A	161	18.7	91	22155								
*X-617	140	19.7	81	23341								
X-908	137	18.6	87	21044								
AMERICANA												
3100	168	17.5	99	23825								
3120	147	18.4	95	22611								
4730	156	20.3	95	22565								
ASGROW												
RX777	154	19.2	94	23024	153	18.9	93	22497				
BO-JAC												
562	138	20.5	95	21595								
674	141	19.3	96	22161								
BURRUS												
*BX20	149	18.9	91	19767					96	19.9	98	20384
CARGILL												
921	141	18.0	96	23825	166	18.0	85	23723				
924	130	18.7	95	23797	154	17.8	96	23245				
967	163	18.9	89	24000					88	19.7	99	23859
DEKALB												
EX-5657	149	18.7	85	23671								
EX-6261	153	17.7	89	22969								
EX-7778	159	19.7	82	22208								
XL 61	155	19.7	92	23246	142	19.3	95	23768				
XL 67	142	18.6	80	23693					78	19.8	92	22587
*XL 72AA	138	18.4	93	21767	163	18.2	92	23444	76	19.7	98	21253
XL 72B	140	19.1	95	22518	143	19.4	90	21831	113	20.7	96	21734
XL 73	154	19.0	88	23006	145	19.4	94	23660				
XL 75	151	19.6	86	22889	142	18.3	86	20866	86	23.3	96	20479
FUNK'S												
*G-4507	172	18.2	91	23914								
G-4514	148	18.0	94	23762								
G-4522	155	18.9	93	22920	150	18.8	95	23918				
G-4578	141	18.7	91	23879								
G-4606	163	19.4	93	23310	144	18.8	93	22183	106	20.4	92	22265
G-4733	157	20.2	82	23303								
GOLDEN ACRES												
T-E 6995-A	167	18.1	88	24000	143	17.4	91	23175	80	18.7	97	21476
T-E 6995	147	19.4	92	22262	137	18.3	90	23535	76	19.9	96	22273
T-E 6998	128	20.1	94	22819								
GOLDEN HARVEST												
*H-2500	170	18.3	94	23890	127	17.9	99	22836	115	19.4	98	23178
H-2680	158	20.6	92	23824								
GOLD TAG												
GT3006	140	17.8	87	23068								
GT3008	146	18.5	93	23368								
GT4430	133	19.6	95	23139								
GROWMARK												
FS 675	149	17.5	98	23636								
FS 680	143	18.3	89	22782	169	18.0	89	24000	97	19.7	97	23414
FS 685	138	19.4	86	23858	153	19.5	88	23765				
*FS 850	151	21.0	60	24000	141	20.3	87	23941	95	21.2	98	22339
FS 852	140	21.5	85	23469	131	20.6	87	22727				
*FS 854	134	22.1	57	23446	160	21.5	85	22624	128	21.1	99	22423
KITCHEN												
KSC 512	156	18.9	96	23045								
KSC 513	159	19.0	94	23494								
KSC 514	133	20.3	61	22846								
KSC 516	149	19.6	87	23227								
LANDERS												
9920	145	19.9	92	21044								
9922	134	21.2	86	23277					90	21.9	95	21170
LEWIS												
X63B	166	19.0	96	23357								
X74B	158	20.3	93	23521	167	20.7	91	21833	122	20.4	99	24032
LYNKS												
LX4315	150	17.4	91	22625	153	17.1	95	23570				
LX4355	155	18.8	92	23326	162	18.9	94	22661				
LX4500	168	20.8	84	22442	122	19.5	86	23300	87	21.6	98	22839
MCALLISTER												
SX7300B	141	20.3	93	21671	158	20.4	93	19874				
SX7909	160	17.5	94	22181	147	17.3	93	18865				
SX8102	139	16.8	96	21313								
MCCURDY												
7384	154	19.2	95	23755								
7676	161	19.1	86	22495	151	18.2	88	23901				
7707	137	20.5	90	23182	160	20.3	94	23575	113	21.4	99	22730
80-37	165	18.0	95	22665								
81-82	154	19.9	86	24000								
84AA	164	20.5	92	23673	152	20.2	87	21023	115	21.1	99	22157

PERRY: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
MIGRO												
EXP.5129	153	19.8	96	20226								
EXP.5768	149	19.3	91	23560								
HP 470	145	17.2	98	23901	146	17.0	100	23801	83	17.6	98	22937
M-0707	157	18.9	97	23298	175	19.4	93	24000	100	21.4	99	23777
NORTHRUP-KING												
PX79	158	19.3	85	23468	132	18.9	88	23658				
PX83	140	19.3	88	23952	144	19.3	89	23523	61	20.5	98	22943
PX87	150	20.5	80	23150	145	19.8	90	22021	71	22.2	96	23107
X6701	147	19.9	93	21554								
X7002	146	17.4	95	23219								
O'S GOLD												
SX5255	157	18.9	88	21920	162	18.2	89	23463				
SX5291	154	21.4	89	23465	142	20.3	78	21924				
SX5509	133	21.2	89	23825	170	20.9	86	22949	101	22.3	98	21387
SX6882	129	17.5	98	23791	155	17.2	94	22648				
PAYMASTER												
6990	148	17.9	92	23921								
8201	163	19.0	93	23507								
PIONEER												
*3183	162	19.6	90	23653	174	20.8	88	23029				
*3382	160	18.4	92	21865	144	18.3	93	23736	102	18.6	98	23518
*3541	130	16.4	92	22279	136	16.1	93	23273	90	16.2	95	22620
POCKLINGTON												
P-6441	127	19.8	90	23313								
P-A-G												
SX 333	152	18.6	92	21762	143	18.0	91	22977	77	19.5	96	23896
SX 351	173	19.0	93	23408	166	18.4	96	23920	62	19.3	100	23515
SX 397	124	17.0	87	18974	120	16.9	88	21739				
RING AROUND												
1404	164	17.7	94	23948								
1502	156	19.7	96	24000								
1604	152	21.0	96	23011								
SHISSLER												
GR-8 176	164	17.7	98	24000								
GR-8 190	161	18.7	90	23864								
GR-8 194	150	21.1	96	22408								
GR-8 196	154	19.7	99	22009								
STAUFFER SEEDS												
SUPER 14	150	20.6	86	23492	138	19.8	90	23943				
SUPER 80	153	18.0	90	22785								
S 6596	162	17.5	94	23861								
S 7759	155	19.2	89	21088								
S 7767	144	17.7	95	21421								
S 8818	156	20.7	93	21625	157	21.1	93	23189				
1141	141	20.9	96	21101	152	20.0	93	22200				
STEWART HYBRIDS												
7381	116	19.2	94	22410								
77	160	20.3	88	22505								
STONE SEED FARMS												
SX29	143	16.5	95	22591	133	16.2	94	23507				
SX35	162	17.5	98	22754								
SX41	164	19.7	94	23526	167	19.5	96	21296				
SX42A	153	20.3	93	22823	156	20.2	84	23326				
SUPER-CROST												
4337	152	17.1	95	23368	156	17.3	96	22612				
5452	139	18.5	96	22223								
7600	158	20.3	95	23673	149	20.6	94	22257	95	20.5	98	21370
7801	136	19.9	99	21742								
82085	168	19.0	98	22271								
THOR-O-BRED												
EX 6250	136	20.2	94	23494								
SX 660	152	20.5	92	21454								
TRISLER												
EXP. 81-21	160	20.6	92	23292								
T-5450	146	18.8	92	24000	155	17.8	78	23495	89	18.8	96	22164
T-5460	150	19.0	93	20444								
T-5750	147	19.0	94	22621								
T-7510	153	20.9	93	23398								
T-7530	159	20.0	94	23587	161	19.7	86	23602	95	20.9	98	22368
T-7550	142	20.7	92	21856	148	20.3	90	22875	81	22.6	97	21694
TROJAN												
T 1100	167	17.3	99	23345	160	17.5	96	22845				
T 1230	166	19.9	90	24000	144	21.4	91	22288	89	21.9	95	22500
T 1251	137	21.0	69	23486								
AVERAGE	150	19.2	92	22909	146	18.8	90	22741	89	19.8	97	22789
L.S.D. 10% LEVEL	..	0.8	10	..	23	1.0	9	1837	..	1.3	3	..
L.S.D. 30% LEVEL	..	0.5	6	..	14	0.6	5	1157	..	0.8	2	..
STD ERR OF HYBRID MEAN	10	0.3	4	864	10	0.4	4	786	14	0.6	1	888

Corn Hybrid Trial Results

BROWNSTOWN (18,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AINSWORTH												
X-617	142	21.2	97	17318	144	19.6	97	17454	78	19.5	81	18000
X-920	155	21.4	100	18000	147	17.9	98	18000				
ASGROW												
RX777	165	20.8	99	18000	154	19.1	97	18000	71	17.6	99	16888
RX864	128	20.8	99	18000								
RX909	145	22.0	97	17181	136	19.1	97	17181	41	21.3	93	17888
CARGILL												
967	154	20.0	96	17318	136	17.9	98	17727	53	19.0	98	17666
COKER												
16	150	21.3	98	16772	135	19.5	100	17863	75	18.2	78	17333
19A	138	21.4	97	17454	121	18.6	100	17863	65	20.5	94	17666
19	149	20.4	97	17590	113	17.4	94	18000	83	18.6	77	17666
21	125	22.7	96	15681	145	19.8	96	18000	77	21.3	89	17333
22	137	22.6	96	17863	121	20.7	98	18000	47	21.1	88	18000
GOLDEN HARVEST												
H-2680	160	23.5	98	17727								
GOLD TAG												
GT4022	142	22.1	99	18000	141	19.7	98	18000	99	21.5	96	18000
GROWMARK												
FS 854	133	23.4	93	17863	154	20.7	97	18000	73	20.5	81	17666
HOBLIT												
442	145	21.2	99	17454	139	19.1	100	17590	84	20.7	94	18000
454	157	21.7	98	18000	151	20.2	99	18000				
457	145	20.8	96	17863								
LEWIS												
X62BB	143	21.2	98	16772								
X74B	149	22.0	99	17318	149	20.7	98	17863				
X81B	147	23.7	95	17181	147	20.1	98	18000	68	21.5	91	18000
X93B	141	20.3	95	17181	151	18.9	99	17727				
PAYMASTER												
7601	147	20.5	98	18000	149	19.0	100	17727				
P-A-G												
SX 333	145	19.9	96	18000	122	17.5	100	17590				
SX 351	164	20.5	99	18000	113	17.7	98	17863	71	18.5	93	17666
STONE SEED FARMS												
SX41	155	21.3	98	18000								
SX42A	152	22.3	99	15272	135	19.9	100	17727				
SUN PRAIRIE												
SP393	151	21.4	99	17590								
SP540	158	22.4	96	17045	129	18.5	97	17590	70	20.9	82	17777
SP600	149	22.1	94	18000	144	19.6	97	16909	80	20.2	79	16111
THOR-O-BRED												
EX 6250	139	21.3	99	17727								
SX 660	160	22.3	98	18000								
TROJAN												
T 1230	144	23.2	94	18000								
T 1251	136	23.3	99	18000								
ZIMMERMAN												
Z-11-W	134	22.6	98	18000								
Z-14-W	131	23.7	97	15272								
Z-24-Y	140	20.8	100	16909								
Z-25-Y	153	21.9	96	17045								
Z-52-W	132	21.8	99	18000								
AVERAGE	146	21.8	98	17458	134	19.0	98	17742	72	19.8	88	17598
L.S.D. 10% LEVEL	18	0.9	..	..	15	0.7	..	..	26	1.6	12	..
L.S.D. 30% LEVEL	11	0.6	..	..	9	0.4	..	..	16	1.0	7	..
STD ERR OF HYBRID MEAN	8	0.4	2	724	6	0.3	1	312	11	0.7	5	364

Corn Hybrid Trial Results

BROWNSTOWN: INCREASED PLANTING RATE
(22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
AGRI GOLD												
6810	170	22.4	94	21456								
6910	155	21.6	97	21185								
AINSWORTH												
X-516A	161	20.3	100	21864								
X-619	153	21.4	99	20641	133	19.5	95	20777				
X-918	172	22.3	100	21049								
ASGROW												
RX777	166	20.6	99	20098	146	19.6	98	21728				
RX909	181	22.1	100	22000	109	19.6	98	22000				
CALLAHAN												
C777	153	22.6	98	21456								
C788	156	21.6	97	22000								
CARGILL												
921	144	19.8	99	21185								
*967	153	20.1	97	20234								
COKER												
16	148	21.1	97	18469	123	18.8	97	21185	53	19.0	86	19766
19A	158	21.3	99	21185	136	19.7	99	21049	34	20.0	96	20199
19	156	20.6	98	21456	108	17.5	96	21320	42	19.3	91	19105
21	170	22.1	100	20098	145	20.2	98	22000	50	21.7	95	20552
22	162	22.4	97	21592	131	20.3	97	21864	42	22.6	92	20301
DEKALB												
EX-6060	160	19.5	96	21728								
EX-7778	159	19.9	98	21320								
EX-7979	165	22.9	99	20234								
XL 67	166	19.2	99	21864								
*XL 72AA	157	20.0	100	20370	115	17.5	98	21185	39	18.7	98	18835
*XL 72B	157	20.4	99	22000	122	18.7	96	21592	71	19.8	88	18939
XL 74B	154	21.1	100	20913	149	19.4	94	21320				
DENNIS												
26	147	20.3	97	21592					92	19.5	93	19248
39	158	21.7	98	20506					67	21.8	89	19416
FUNK'S												
G-4514	145	20.1	98	21049								
G-4522	140	20.6	97	21320	136	17.9	98	22000				
G-4578	146	20.4	99	20777								
*G-4606	154	20.6	98	20506	126	18.7	96	22000	54	18.9	99	19072
G-4733	160	23.3	96	21592								
GOLDEN ACRES												
T-E 6995-A	159	19.7	98	21185	117	16.3	98	20913	41	16.8	89	19141
T-E 6995	171	20.3	97	19555	110	17.4	98	21592	41	18.3	80	20347
T-E 6998	163	21.4	97	21185								
GOLDEN HARVEST												
*H-2500	155	20.2	98	20913								
H-2680	145	23.2	98	22000								
GOLD TAG												
GT3006	148	19.3	98	22000	136	17.8	100	19827				
GT3020	148	20.0	99	21185					37	19.7	93	20074
GT4430	139	21.2	99	19827								
GROWMARK												
FS 675	152	18.9	99	20370								
FS 680	159	20.5	97	21592					56	19.0	83	20210
FS 685	152	22.0	98	21864	132	19.4	93	22000				
FS 850	168	22.1	100	21185	139	19.4	98	21320	63	20.6	85	20317
FS 852	169	22.9	97	21592	132	20.1	97	21592				
FS 854	145	22.6	93	18740					42	20.7	85	20696
HORLIT												
457	154	20.1	99	19691								
KITCHEN												
KSC 512	147	20.2	99	19962								
KSC 513	164	20.6	98	21320								
KSC 514	146	21.5	99	19419								
KSC 516	160	21.8	99	21864								
LANDERS												
9920	162	21.0	98	21728	131	19.4	98	21456				
9922	167	22.3	98	20777	146	20.0	94	21728	68	20.8	89	19729
LEWIS												
X82B	141	22.0	96	22000								
X83B	155	21.4	98	21728								
X93B	163	20.6	98	21728								
LOWE												
LSX 511	173	22.5	96	21185	130	19.8	93	20641				
LSX 517	145	20.1	98	19962	126	18.5	96	21320				
LSX 617	148	21.7	98	20506	143	19.6	94	21456				

BROWNSTOWN: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
LYNKS												
LX4355	162	20.1	98	19283	147	18.0	100	21592				
LX4480	170	21.0	99	20913	127	19.1	92	21456	33	20.7	85	19402
LX4488	159	21.7	99	21320								
LX4500	161	22.3	100	19691	140	20.1	97	21185	80	20.3	90	17201
LX4545	169	22.5	98	21592	147	20.4	95	22000	54	20.6	96	18982
MCCURDY												
7676	158	20.7	97	20777	154	18.4	98	21592				
80-62	166	22.1	100	21320								
81-82	170	22.3	98	21320								
84AA	179	22.0	100	22000	142	20.6	98	21864	76	19.7	91	19714
MIGRO												
EXP.5129	162	21.2	100	20913								
EXP.5199	161	22.0	98	21049								
EXP.5768	163	20.5	98	19962								
M-0707	166	21.3	98	22000	134	19.5	96	21320	52	20.8	93	18920
NORTHRUP-KING												
PX79	161	19.6	99	21320	124	17.2	97	22000				
PX83	165	21.3	98	21728	138	19.6	93	21456	37	20.6	90	20606
PX87	173	21.8	98	20913	134	20.0	95	21049	53	20.7	83	19488
X6701	151	21.4	99	21049								
X7002	149	19.6	100	22000								
O'S GOLD												
SX2570	157	20.3	100	21320								
SX5291	177	22.8	97	19283	145	20.6	98	21864				
SX5509	174	22.7	98	18333	143	20.2	97	21320	46	21.5	99	18759
PAYMASTER												
6990	147	19.4	100	19555								
7601	135	20.6	100	19419								
8201	151	19.6	98	20234					58	19.3	82	18865
PFISTER												
KERNOIL	177	21.0	96	20777	125	19.5	95	21456				
3500	159	21.1	100	21185								
4000	173	22.8	95	22000	152	20.3	98	22000				
68	158	20.7	98	21592								
PIONEER												
*3183	153	21.0	95	22000	145	18.9	94	21320	57	21.6	96	20294
*3184	150	21.7	100	22000								
*3382	148	19.8	98	19827	135	18.1	97	22000				
POCKLINGTON												
P-7661	149	20.8	100	20098					39	19.6	95	19650
PRINCETON												
SX850	136	20.3	98	19962								
SX860	153	22.1	98	21185								
P-A-G												
SX 333	159	20.6	98	21728	123	17.2	95	21728	51	18.6	82	20092
*SX 351	156	20.6	94	20777	127	18.0	95	21456	35	20.1	91	20225
SX 397	142	18.6	98	20913	126	17.7	93	20913				
RING AROUND												
1502	165	21.1	99	20506	141	19.1	96	22000	58	20.4	91	20148
1604	166	22.7	99	21728	141	19.8	90	20913	64	21.6	92	19531
STAUFFER SEEDS												
SUPER 14	160	23.0	100	21728	141	19.0	91	22000				
SUPER 80	161	20.0	98	21185								
S 6596	148	19.1	98	20777								
S 7759	157	20.2	98	21864								
S 8500	152	22.3	99	19691								
S 8818	171	22.2	99	22000	134	20.1	98	21592				
114+	182	22.2	100	20641	154	20.3	99	21728				
STONE SEED FARMS												
SX35	152	19.5	97	18197								
SX41	168	21.3	94	21320	155	18.3	98	21592				
SX42A	155	22.0	100	18876								
STURDY-GROW												
S/G 822	155	22.3	96	20777								
S/G 829A	186	22.2	99	22000								
S/G 829	146	22.4	96	21049	132	19.2	95	21728				
S/G 832	146	21.6	93	21049								
SUPER-CROST												
5452	141	20.7	99	19962								
7600	163	21.7	97	20370	135	19.8	96	21592	50	21.5	87	19047
7801	151	21.5	97	18876								
82085	157	20.5	98	21185								
THOR-O-BRED												
EX 6250	156	21.3	100	21320								
SX 660	158	21.9	96	21185								

BROWNSTOWN: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
TRISLER												
EXP. 81-21	159	22.1	96	20370								
T-5250	149	19.4	96	19283	110	17.4	96	21592	66	17.4	91	18934
T-5256	141	20.3	96	19691	125	18.3	99	21592				
T-5450	152	20.1	98	20641	104	17.7	96	22000	49	18.8	91	19746
T-5460	166	20.8	98	21864								
T-5470	145	20.8	98	20777	132	18.7	97	21456	84	20.5	100	19382
T-5750	158	20.7	99	21592								
T-7500	162	21.7	98	20506	109	19.1	96	21320	51	20.5	84	20048
T-7510	154	20.9	97	22000								
T-7530	154	21.2	99	21456	131	19.1	94	21728	53	20.2	97	19103
T-7550	157	22.7	94	20913	144	19.9	97	21592	45	21.4	97	18709
TROJAN												
TXS 115A	164	20.0	99	21456	122	18.3	98	22000	89	17.6	88	19687
*TXS 119	154	21.3	99	21728	125	19.7	96	22000	75	19.4	83	19262
T 1100	166	19.1	99	21728	129	17.5	97	22000				
T 1230	171	22.9	98	21049	134	20.5	94	21864	36	21.5	96	19450
T 1251	140	22.8	97	20777								
U.S.S.												
1010	150	20.2	97	21185	88	17.2	98	22000				
1515	145	20.9	97	19419	127	19.4	94	21728				
VORIS												
EXP. 1036	150	21.9	97	21728								
V 2521	136	20.4	99	21320	127	18.5	98	20913				
V 2601	147	19.4	95	21864	127	18.2	93	21456				
V 2641	139	23.5	97	20370	141	20.4	88	21320				
ZIMMERMAN												
Z-11-W	119	23.3	98	21320								
Z-14-W	157	23.4	97	21864								
Z-22-Y	164	20.9	99	20777	120	19.4	96	21864	56	20.7	97	19950
Z-24-Y	161	21.2	97	21592	137	19.0	94	21320	61	18.5	85	19949
Z-25-Y	165	22.7	98	21456								
AVERAGE	157	21.2	98	20931	128	18.7	96	21442	56	19.6	88	19536
L.S.D. 10% LEVEL	19	0.7	3	..	17	0.7	5	..	35	1.6	12	1626
L.S.D. 30% LEVEL	12	0.4	2	..	11	0.4	3	..	16	1.0	8	1024
STD ERR OF HYBRID MEAN	9	2.4	2	926	7	0.3	2	571	11	0.7	5	696

Corn Hybrid Trial Results

CARBONDALE UPLAND (18,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX114	70	18.8	96	17588	95	19.9	99	17698	18	20.5	90	17777
RX777	67	17.9	94	17702	96	19.0	99	18000				
RX864	71	18.8	98	17839								
CARGILL												
967	73	18.6	86	18000					63	17.3	98	18000
DEKALB												
EX-7979	72	21.0	91	17417								
XL 73	65	20.0	100	17991								
XL 74B	79	18.6	91	17851	107	19.6	93	17417				
DUESTERHAUS												
DS117	59	17.0	68	18000								
DS118	56	19.0	84	17731								
DS119	53	20.6	96	17308								
GOLDEN HARVEST												
H-2680	31	20.3	87	18000								
H-2775A	62	19.6	89	17982								
LEWIS												
X74B	61	18.7	90	17454	108	20.4	100	17189				
X91B	82	19.0	96	17977	114	20.0	99	17617				
O'S GOLD												
SX3344	70	16.4	99	17262	118	18.1	96	17831	42	16.7	91	15666
POCKLINGTON												
P-7441	56	18.0	98	17142								
THOR-O-BRED												
EX 6250	72	17.6	98	17985								
SX 660	66	20.3	89	17977								
TROJAN												
T 1230	46	20.6	97	17968								
T 1251	67	20.7	89	18000								
ZIMMERMAN												
Z-11-W	51	21.6	75	17902	88	20.8	90	17853	32	22.2	66	17777
Z-14-W	62	20.6	95	18000	103	19.7	99	17968	45	20.5	76	16555
Z-24-Y	66	18.7	93	17968	99	19.5	95	17405	16	16.5	94	17888
Z-25-Y	71	19.0	83	17982								
Z-52-W	57	21.7	94	17979	91	21.6	93	17692	21	21.5	89	17888
AVERAGE	64	19.3	92	17805	100	19.6	97	17678	35	18.9	92	17442
L.S.D. 10% LEVEL	..	2.0	12	..	..	0.9	..	..	20	1.9	11	..
L.S.D. 30% LEVEL	..	1.2	7	..	..	0.5	..	..	12	1.2	7	..
STD ERR OF HYBRID MEAN	7	0.8	5	223	7	0.3	2	353	8	0.8	5	673

Corn Hybrid Trial Results

CARBONDALE UPLAND: INCREASED PLANTING RATE (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AGRI GOLD												
6810	108	19.4	95	21717								
6910	115	19.2	96	21858								
COKER												
16	98	19.3	97	21576	109	20.0	99	21508	51	14.9	85	21666
19A	87	18.9	94	21717	114	20.1	98	21542	23	18.6	97	21555
19	96	17.3	97	20589	121	18.3	99	21099	33	17.0	94	20555
21	101	20.6	94	22000	95	20.1	98	20898	54	19.2	94	18888
22	84	19.8	96	22000	107	20.2	96	22000	36	17.0	87	21000
CROW												
*688	93	19.5	95	20448								
DEKALB												
FX-7979	90	19.7	96	22000								
*XL 72AA	113	18.3	97	22000	113	18.5	96	20696	23	18.2	90	20444
*XL 72B	102	18.8	98	21717	109	19.5	96	21171	62	16.4	92	21777
XL 73	122	20.1	96	21576	105	18.8	97	21279				
XL 74B	114	19.8	95	21576	120	19.5	95	21875				
FUNK'S												
G-4514	89	17.9	93	21012								
G-4522	116	17.8	95	22000	130	18.7	99	21760				
G-4578	108	18.0	99	20440								
G-4606	106	18.1	92	21858	108	19.6	96	21077	38	18.8	94	20666
G-4733	81	20.9	91	21435								
GOLDEN ACRES												
T-E 6995-A	103	17.7	98	21717	120	17.8	96	21261	33	16.8	92	20666
T-E 6995	107	17.7	98	21576	110	18.9	99	20882	70	17.6	94	17333
T-E 6998	89	20.7	96	19884								
GOLDEN HARVEST												
H-2680	104	19.8	94	21435								
H-2775A	90	20.9	90	22000								
GROWMARK												
FS 685	75	19.1	92	22000								
FS 850	112	20.0	95	22000	103	20.2	95	21677	50	19.1	93	20666
FS 852	100	21.2	91	21153	93	20.7	98	20717				
FS 854	85	20.0	88	21858	95	19.9	94	22000	45	15.4	82	21222
FS 858	104	19.2	97	22000	123	18.4	97	21144	39	18.0	94	20666
ILL. EXPERIMENT												
AN81-21	94	17.6	93	21717								
LEWIS												
X74B	116	19.9	98	22000	111	20.6	98	21143	36	17.7	94	20777
X82B	109	19.7	95	19743								
LOWE												
*LSX 507	89	19.4	90	22000								
LYNKS												
LX4355	112	18.1	96	21717								
LX4480	99	19.1	96	20025	121	19.7	98	20976	33	17.5	75	21222
LX4488	94	19.3	95	21576								
LX4500	118	20.3	97	21858	113	21.1	99	21431	53	20.0	92	20222
LX4545	107	20.0	96	21435	103	21.3	97	21340	38	19.4	94	21222
MCCURDY												
7676	104	18.1	92	20730	123	19.0	100	20818				
7787	87	19.8	97	21294	107	21.2	99	20920	53	18.1	95	21111
80-62	109	20.3	91	22000								
8150	103	20.4	96	21153	116	20.8	97	20961				
81-7	90	21.0	96	21858								
MIGRO												
HP 87	97	21.1	92	21576	132	20.2	100	20835	50	21.3	92	20444
M-0707	88	19.4	88	21576	122	19.9	98	21025	53	18.9	90	19555
NORTHRUP-KING												
PX79	98	18.2	97	20730	117	18.0	99	20724				
PX83	106	19.5	91	21576	109	19.8	97	21064	42	19.5	94	21000
PX87	87	20.4	96	21576	91	20.5	96	21285	43	17.4	95	21333
X6701	110	19.3	98	21153								
O'S GOLD												
SX2570	120	18.6	93	21012								
SX5291	109	20.2	98	21858	116	21.3	99	21452				
SX5509	109	20.6	94	21294	120	20.2	97	20624				
PAYMASTER												
7601	93	18.5	95	21576								
8951	105	19.0	97	21717	107	20.7	98	21590				
PIONEER												
*3183	123	20.2	90	22000	100	20.1	96	20996	39	18.4	96	19666
*3184	112	21.1	94	22000	113	20.9	98	22000	36	18.0	96	19222
*3186	110	20.4	95	22000								
*3320	112	20.0	96	22000								
*3382	95	18.6	94	22000								

CARBONDALE UPLAND: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
POCKLINGTON												
P-701	80	18.7	91	21435	105	20.9	97	21101	40	17.9	92	21000
P-A-G												
EXP. 101515	102	19.9	95	20730								
SX 333	120	17.8	98	21294	114	17.9	95	21040	54	16.0	90	20666
SX 351	98	18.0	96	21153	122	19.1	100	19703	30	16.4	95	18444
RING AROUND												
1502	110	19.8	97	22000	118	20.3	96	20585	41	18.6	89	21222
1604	112	20.2	95	21717	87	21.1	98	20215	48	20.1	87	17444
2602W	88	22.5	90	21858								
9609W	68	22.0	91	21717								
STAUFFER SEEDS												
*SUPER 14	100	19.3	96	21858	102	19.7	98	21872	49	17.9	77	21000
S 6596	104	17.6	97	20307								
S 7759	119	17.9	100	21858								
S 8500	99	20.1	91	22000								
S 8818	104	20.7	97	22000	108	20.7	97	20570				
1141	95	20.2	95	21435	109	20.7	97	21664				
STEWART HYBRIDS												
7381	88	19.8	94	21294								
77	94	19.4	95	22000								
SUPER-CROST												
5452	87	17.4	92	22000								
7600	106	20.0	93	20589	117	20.5	98	21662	40	19.0	98	20777
7801	114	19.7	97	21717								
82085	95	18.0	94	21435								
THOR-O-BRED												
EX 6250	95	20.2	95	21294								
SX 660	93	20.6	95	22000								
TROJAN												
TXS 115A	85	17.6	96	22000	109	18.4	98	21536	38	16.9	94	20555
TXS 119	92	19.8	94	21717	120	19.7	97	21322	45	18.0	86	20777
T 1100	102	17.0	95	20448	117	17.2	99	21667				
T 1230	105	20.1	98	21717	93	20.9	96	21129	53	18.0	87	21111
T 1251	99	20.7	98	21153								
ZIMMERMAN												
Z-11-W	103	21.9	94	21717								
Z-14-W	97	20.7	97	21717	104	21.0	96	21851				
Z-22-Y	78	18.5	94	21717	127	19.9	99	20276	38	18.6	95	21777
Z-24-Y	106	20.0	92	21717	113	19.3	96	21837	33	18.7	89	21666
Z-25-Y	96	20.1	95	21858								
AVERAGE	101	19.5	95	21526	107	19.6	97	21156	40	18.1	92	20544
L.S.D. 10% LEVEL	21	1.1	..	..	20	1.2	..	..	22	1.6	..	..
L.S.D. 30% LEVEL	13	0.7	..	..	12	0.7	..	..	14	1.0	..	..
STD ERR OF HYBRID MEAN	9	0.5	2	469	8	0.5	1	608	9	0.7	4	968

Corn Hybrid Trial Results

DIXON SPRINGS BOTTOMLAND (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
ASGROW												
RX114	133	20.6	99	21592	130	20.2	98	20913	127	25.9	90	20444
RX777	154	19.8	100	22000	110	19.4	98	22000				
RX864	144	20.3	100	21864								
CARGILL												
967	154	18.6	99	22000					141	20.4	95	21777
COKER												
16	127	19.8	100	21185	121	19.6	99	22000	139	22.6	96	21111
19A	164	20.3	99	21592	122	19.6	98	22000	135	23.9	86	20222
19	145	18.9	100	22000	114	18.2	100	21864	126	20.9	93	21111
21	149	21.3	96	21864	131	20.0	96	21320	150	26.5	97	21000
22	145	20.8	98	22000	144	19.3	99	22000	125	24.0	94	21888
DEKALB												
EX-7979	156	20.4	100	21864								
XL 71	171	20.2	99	21728	123	19.4	98	22000	131	22.4	80	21666
XL 73	149	20.3	96	21864								
XL 74B	160	19.4	100	22000								
DUESTERHAUS												
DS117	149	19.8	99	22000								
DS118	150	19.5	100	21592								
DS119	150	20.9	99	21728								
FUNK'S												
G-4514	144	18.3	100	21320								
G-4522	168	21.0	99	22000	135	18.4	98	22000				
G-4578	141	19.1	100	21456								
G-4606	147	19.7	100	21320	123	18.2	99	22000	134	21.3	92	22000
G-4733	145	21.2	100	21049								
GOLD TAG												
GT4022	158	21.0	97	21728	150	19.4	98	22000	136	24.9	91	21222
ILL. EXPERIMENT												
AN81-17	160	19.4	98	21049								
LEWIS												
X81B	146	20.9	98	21728	144	18.7	99	22000				
X92B	148	20.0	100	21456	157	18.0	99	21592				
LYNKS												
LX4355	166	18.9	100	21728								
LX4480	155	20.4	100	22000	143	19.4	100	22000				
LX4488	149	20.1	100	22000								
LX4545	157	20.5	99	21728	142	19.1	100	21728				
MIGRO												
EXP.5199	151	20.6	97	22000								
M-0707	167	20.2	99	21864	145	18.2	98	22000	151	22.3	89	21444
NORTHRUP-KING												
PX83	151	20.0	98	21456								
PX87	146	21.0	98	21592								
X6701	153	20.7	100	21864								
PFISTER												
KERNOIL	151	20.0	100	21456								
4000	163	21.2	98	22000								
68	137	18.8	99	21728								
POCKLINGTON												
P-880	130	20.5	100	21864								
PREMIER HYBRIDS												
SX636	165	20.9	99	22000					140	25.3	94	21444
PRINCETON												
SP936	138	22.4	98	21728	114	21.1	97	22000	147	25.7	95	20111
SX860	155	20.1	98	21456	144	19.8	99	21728	141	24.6	99	21777
SX870	166	21.2	98	22000	145	19.2	99	22000	152	24.2	96	20888
SX910	132	21.8	99	21456	112	20.4	98	22000	113	26.9	91	21222
RING AROUND												
MFA 6707	134	19.5	100	21728								
MFA 6708	151	20.4	99	21728								
STAUFFER SEEDS												
S 8500	153	20.5	98	22000								
S 8818	153	21.4	98	22000								
THOR-O-BRED												
EX 6250	140	20.0	98	21728								
SX 660	160	20.0	100	22000								
TROJAN												
T 1100	155	18.0	100	22000								
T 1230	159	21.0	100	21320					152	26.2	93	21888
T 1251	136	21.4	100	21320								
U.S.S.												
0555A	125	19.0	100	21728	131	16.6	100	22000				
2020	165	21.0	99	21728					133	24.5	94	20666

DIXON SPRINGS BOTTOMLAND, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
ZIMMERMAN												
Z-11-W	141	22.0	99	22000	120	19.4	100	22000	136	28.2	94	21777
Z-14-W	148	22.1	100	21728	109	23.7	98	22000	134	26.8	96	22111
Z-22-Y	160	20.4	100	22000	133	20.0	98	22000	138	21.8	93	21922
Z-24-Y	139	20.7	99	22000	144	18.9	98	22000	142	22.0	90	20777
Z-25-Y	169	21.5	100	21728								
Z-52-W	137	21.4	96	22000	117	19.6	97	22000	136	26.8	86	21000
AVERAGE OF 1982 ENTRIES	151	20.4	99	21744	126	18.9	98	21919	133	23.8	90	20932
L.S.D. 10% LEVEL	14	0.6	..	..	21	1.5	..	..	16	1.8	10	..
L.S.D. 30% LEVEL	9	0.4	..	..	13	0.9	..	..	10	1.2	6	..
STD ERR OF HYBRID MEAN	6	0.2	1	285	9	0.6	1	222	7	0.8	4	636

Corn Hybrid Trial Results

DIXON SPRINGS BOTTOMLAND: INCREASED PLANTING RATE (28,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOISTURE %	%ERECT PLANTS	PLANTS /ACRE
AGRI GOLD												
6475	168	18.0	100	25066								
6810	167	21.0	98	27066								
6910	177	20.9	100	26400								
BO-JAC												
562	169	21.4	100	27466					142	25.0	93	27111
674	173	19.8	99	27600								
923	164	21.4	99	27733					148	26.2	96	26555
CARGILL												
*967	174	18.6	100	26133					156	21.7	94	27666
DEKALB												
EX-6060	166	19.1	98	27733								
EX-7979	165	20.8	100	26933								
XL 71	166	20.8	100	27200	112	19.0	97	27485	132	21.5	89	26888
*XL 72AA	163	19.3	99	28000	125	16.8	78	27917	93	20.2	83	26333
*XL 72B	174	20.3	100	26933	140	18.5	96	26965	149	22.6	95	25444
XL 73	155	20.1	98	27733	119	17.7	96	28000				
GOLDEN ACRES												
T-E 6995-A	152	19.5	100	24933	174	17.5	100	26601	112	20.5	91	22888
T-E 6995	165	19.7	99	26400	122	16.4	89	27110	131	20.0	93	26222
T-E 6998	152	20.9	99	25066								
GOLD TAG												
GT4430	155	19.9	100	27333								
GROWMARK												
FS 685	159	20.6	99	27600								
FS 850	165	21.2	99	26000	111	19.3	100	28000				
FS 852	158	21.8	99	27733	118	18.7	92	27534				
FS 854	167	21.6	98	27066	125	20.0	85	27929	140	24.6	89	26222
FS 858	161	20.9	100	26933								
LEADER												
SX620	164	20.9	100	26000								
SX717	166	20.4	100	27733								
SX722	168	20.7	100	27333								
LEWIS												
X74B	175	21.3	100	26933	128	20.5	99	28000				
X83B	140	20.8	100	26800								
LYNKS												
LX4355	176	19.3	99	25600								
LX4488	172	20.6	100	28000								
LX4545	175	21.2	97	27600								
MCCURDY												
7676	181	19.9	99	26133	136	18.3	91	25720				
80-72	165	21.5	99	28000								
8150	186	22.2	100	27600	139	20.1	96	27528	134	24.5	92	24111
81-37	149	22.8	97	27333								
81-82	183	20.7	99	27866								
84AA	175	21.2	99	28000	156	19.5	97	27931	142	23.0	86	28000

DIXON SPRINGS BOTTOMLAND: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1981 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE	1980 RESULTS YIELD BU/A	MOIST-URE %	%ERECT PLANTS	PLANTS /ACRE
MIGRO												
EXP.5199	186	21.2	99	27200								
M-0707	171	20.9	99	27466	153	19.2	97	27985	155	22.0	93	26777
MOEWS												
*SM725	167	19.9	100	25333	138	18.6	94	27831				
O'S GOLD												
SX2570	169	19.5	99	27600								
SX5291	164	21.9	99	27733	130	20.4	98	28000				
SX6882	164	18.2	100	27200								
PAYMASTER												
*4790	145	17.4	100	27866								
7601	164	20.0	100	27200								
8951	180	20.9	99	26533	158	20.7	99	27958	127	24.0	91	25777
PIONEER												
*3184	173	20.8	99	27866	127	18.7	100	27862	147	23.6	98	27000
*3320	168	20.0	99	26533								
PREMIER HYBRIDS												
SX636	174	20.8	99	26000	150	20.3	99	27377				
SX639-A	185	20.6	100	27600	152	19.5	97	27261				
PRINCETON												
SX860	174	20.9	100	27733								
SX870	185	20.8	100	27200								
P-A-G												
EXP. 101515	157	20.9	98	27200								
*SX 333	166	19.0	99	28000	130	17.1	98	27943	118	22.1	76	27777
SX 351	154	18.6	100	27866	113	17.0	97	28000	151	22.0	95	27888
RING AROUND												
*1502	177	20.0	100	26266	131	18.9	97	28000	148	22.2	94	28000
1604	175	21.2	100	26666	123	20.4	91	27643	141	24.8	95	27777
2602W	155	21.9	97	27200								
9609W	135	23.1	96	28000								
STAUFFER SEEDS												
*SUPER 14	151	20.0	99	27066	105	17.4	95	27278				
S 6596	181	17.9	100	26800								
S 7759	184	19.2	99	25466								
S 8500	147	21.2	99	27066								
S 8818	176	20.3	99	26400	111	19.9	93	27965				
114+	155	21.3	100	26266	149	19.3	96	28000				
STURDY-GROW												
S/G 805A	181	20.6	100	27733	137	19.6	90	27060	156	22.7	89	25888
S/G 829A	174	21.5	100	28000								
S/G 829	144	21.2	94	27733	153	19.1	97	27902				
S/G 910W	165	20.8	99	27733	122	19.3	91	27420				
S/G 935W	157	21.5	100	25200	129	20.4	91	28000	131	25.7	91	26111
SUPER-CROST												
4337	156	18.2	100	28000	143	16.9	99	27246				
5452	151	19.1	100	26666								
7600	169	20.9	100	26266	136	20.6	96	27871	138	25.1	95	25333
7801	169	20.9	99	27200								
82085	183	19.0	100	27600								
THOR-O-BRED												
EX 6250	139	20.8	100	26666								
SX 660	152	21.1	100	27600								
TROJAN												
TXS 115A	172	19.2	100	27066	120	17.5	97	27982	137	22.7	84	26222
TXS 119	170	21.2	100	27333	127	18.4	92	27115				
T 1100	162	18.7	100	26533	140	17.0	97	26806				
T 1230	180	20.2	100	28000	154	20.4	98	24938				
T 1251	137	21.8	99	27600								
U.S.S.												
0555A	157	18.7	100	27066								
2020	179	20.5	98	28000	129	19.6	95	28000				
WHISNAND												
80A	165	19.6	99	25600	120	18.2	91	26778	101	20.8	86	27666
80	159	21.1	99	27866	126	19.1	95	28000	144	24.1	89	26222
811	159	19.8	100	28000	105	19.9	100	25911	118	23.5	92	26888
81	179	18.9	100	27200	123	16.5	93	27945	124	22.8	90	26555
83	169	18.0	99	27733	135	17.1	100	27645				
870	141	20.6	98	26266	120	18.1	96	25457	109	22.8	87	26666
ZIMMERMAN												
Z-14-W	160	21.7	99	26933	125	20.6	97	27332				
Z-22-Y	180	20.1	98	26933	159	18.6	98	27655	158	23.7	93	25777
Z-25-Y	167	21.7	99	27733								
AVERAGE OF 1982 ENTRIES	166	20.5	99	27082	126	18.5	94	27485	134	23.2	91	26623
L.S.D. 10% LEVEL	21	0.7	2	..	22	1.4	9	..	22	1.9	11	1910
L.S.D. 30% LEVEL	13	0.5	1	..	14	0.9	5	..	14	1.2	7	1202
STD ERR OF HYBRID MEAN	9	0.3	1	720	9	0.6	4	640	9	0.8	5	816